Receiving Report

Packing Slip: Invoice: Receipt: New Supplier Discrepancies			Release N Waybili At	Complete pection	Yes	No No No No	N/A N/A N/A N/A
Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number
3%.							
	J. W.						
			-				
Production/Ac Date Received/Cos Initial				initials of	Receiver	QC12 Location	

H:\F0RMS\Purchasing\approved purch\RECREPORT Rev



Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27119

Purchase Order Date 1/19/2015 PO Print Date 1/19/2015

Page Number 1 of 10

Order From:

KLX INC.

88289 EXPEDITE WAY

VU-KLX01

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

CHICAGO, IL 33172

USA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

305-925-2600

Buyer

Chantal Lavoie

Customer POID

Customer Tax#

10127-2607 Net 30

Terms Currency

USD

FOB

Destination-Collect

	hip Via: hip Acct:	FedEx Overnight collect		FOB		Destination	on-Collect
Line Mar	Reference Vendor Part Number	Description/ Mfg 1D	Req Date/ Taxable	CD	Req Qty/ Unit of Measure		PO Unit Price
	Line Comments Delivery Comments		Promise Date				
(CR264SS3-02	Rivet, Cherry	1/21/2015 Yes 1/21/2015		200.00 Each		\$0.10
							Line Potal:
,	r R3213-4-04	Rivet	1/21/2015 Yes 1/21/2015		100.00 Each	/	80.58
							Line Total:

CR3213-4-05

RIVET

1/21/2015 FN Yes

100.00 Each

1/21/2015

\$1501-22

Note:



Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

-Purchase Order ID PO27119

Purchase Order Date 1/19/2015 PO Print Date 1/19/201

Page Number 2 of 10

Order From:

KLX INC.

88289 EXPEDITE WAY

VU-KLX01

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

CHICAGO, IL 33172

USA

Contact Name

\ endor Phone

305-925-2600

Ship To Contact

Strip To Phone

Ship Via: Ship Acct: FedEx Overnight collect

Buyer

Customer POID

Customer Tax #

Terms Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

Line Total:

CR3213-4-1

Cherry Rivet

1/21/2015 FN

Yes

100.00

Each

80 50

1/21/2015

Line Total:

UR3213-4-2

Cherry Rivet

1/21/2015 FN

1/21/2015

Yes

500.00

Each

3.(1-1)

Line Totat:

CR3213-4-3

Cherry Rivet

1/21/2015 FN

1/21/2015

Yes

200.00

Each

54) 40

R1501%

Line Total:

Note:



Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27119

Purchase Order Date 1/19/2015 PO Print Date 4/19/2018

Page Number 3 of 10

Order From:

KLX INC.

88289 EXPEDITE WAY

VU-KLX01

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

CHICAGO, IL 33172

USA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

305-925-2600

Buyer

Chantal Lavoie

Customer POID Customer Tax#

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Ship Via: Stop Acet:

CR3213-5-03

Cherry Rivet

FedEx Overnight collect

1/21/2015

200.00 Each 501 (-

Yes 1/21/2015

Line Total:

CR 1242-4-2

RIVET

1/21/2015 Yes 200.00 Each **so** 37

1/21/2015

Line Total:

+ R3523-4-02

RIVET

1/21/2015

200.00

Yes 1/21/2015

Each

Line Total:

MS17984-C413

Quick Release Pin

1/21/2015 FN Yes

12.00

Each

\$18300

1/21/2015

Note:

R1501-22



Tel: 613 632 9577 Fax: 613 632 1053

OUTSTANDING PO REPRINT

Purchase Order ID PO27119

Purchase Order Date 1/19/2015 PO Print Date 1/22/2015

Page Number 5 of 13

Ship To: DART AEROSPACE LTD VU-KLX01 Order From: KLX INC. 1270 88289 EXPEDITE WAY **ABERD EEN HAWKE** SBURY, CHICAGO, IL 33172 ON USA K6A 1K7 **CANAD** Buyer Chantal Lavoie Contact Name Vendor Phone 305-925-2600 **Customer POID** 10127-2607 305-507-7191 Customer Tax # Vendor Fax Net 30 Terms Ship To Contact USD Currency Ship To Phone **FOB** Destination-Collect FedEx Overnight collect Ship Method Ship Acct Extended Item ID Req Date/ Req Qty Description/ tine Price Mfg ID Taxable Shr Vendor Part Number Line Comments **Delivery Comments** 1/21/2015 60.00 \$113.70 MS20257-3-7200 PIANO HINGE Yes f 1/21/2015 10 PCS OF 6 FT \$113.70 Line Total: 1/21/2015 300.00 Blind Rivet \$54.00 MS20600-AD4W5 Each Yes 1/21/2015 Line Total: \$54.00 300.00 1/21/2015 MS20601-AD4W3 Rivet \$57.00 Each Yes 6-01-30 1/21/2015



Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID P()27119

Purchase Order Date 1/19/2015 PO Print Date 1/19/201

Page Number 5 of 10

Orales Promi

KEX INC.

S8 389 EXPEDITE WAY

VU-KLX01

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

CHICAGO, IL 33172

USA

Contact Name Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Ship Acct: 305-925-2600

Buyer **Customer POID**

Customer Tax #

Terms Currency

FOB

Chantal Lavoie

10127-2607 Net 30

USD

Destination-Collect

MS20615-4M20

Rivet

FedEx Overnight collect

1/21/2015

Yes 1/21/2015

50.00 Each

3 (1 H)

MS20615-3M3

RIVET

1/21/2015 Yes 1/21/2015

200.00 Each

3016

Line Total:

Line Total:

MS. 9819-12J

Sleeve

1/21/2015

10.00

Yes 1/21/2015

Each

Line Total:

MS21042LA

Locknut

1/21/2015 FN Yes

1,200.00

1/21/2015

Each

1501-27

Note:

1/19/2015



Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27119

Purchase Order Date 1/19/2015 PO Print Date 1/19/2015

Page Number 6 of 10

twice From:

VU-KLX01

DART AEROSPACE LTD Ship To:

KLX INC.

88289 EXPEDITE WAY

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA.

CHICAGO, IL 33172

USA

Contact Name

\ endor Phone

Ship To Contact

Ship To Phone

305-925-2600

Buyer **Customer POID**

Chantal Lavoie

Customer Tax #

Terms Currency 10127-2607 Net 30 USD

FOB

Destination-Collect

Ship Via: Ship Acct:

FedEx Overnight collect

Line Total:

MS21042L5

Nut

1/21/2015

500.00 Each 80.45

Yes 1/21/2015

Line Total:

MS21043-3

Nut

1/21/2015 FN

1,000.00

W1 65

Yes 1/21/2015

Each

Line Total:

50 MS21047L06

Nut Plate

1/21/2015 Yes

1/21/2015

120.00 Each

50 30

Line Total:

Note:

1/19/2015



Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27119

Purchase Order Date 1/19/2015 PO Print Date 1/19/2015

Page Number 7 of 10

Order From:

KLX INC.

88289 EXPEDITE WAY

VU-KLX01

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY; ON K6A 1K7

CANADA

CHICAGO, IL 33172

Contact Name

Ship To Contact

Ship To Phone

Vendor Phone

305-925-2600

Buyer **Customer POID**

Customer Tax # Terms

Currency FOB

Chantal Lavoie

10127-2607 Net 30

USD

Destination-Collect

Ship Acct:

Ship Via:

Nutplate

FedEx Overnight collect

1/21/2015

1/21/2015

10.00

N)\$21075-06

Yes

Each

NAST149C0332R

WASHER

1/21/2015 Yes 1/21/2015

2,000.00 Each

Line Total:

Line Total:

50 a

Si :

NAS1149D0663J

Washer

1/21/2015 FN Yes

1.00

Each

1/21/2015

Line Total:

NAS1149F0432P

WASHER

1/21/2015 FN Yes

1/21/2015

800.00

Each

80.07

Note:

501-22



Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Pürchase Order ID PO27119

Purchase Order Date 1/19/2015 PO Print Date 1/19/2015

Page Number 8 of 10

Firster From:

VU-KLX01

Ship To:

DART AEROSPACE LTD

KLX INC.

38289 EXPEDITE WAY

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

CHICAGO, IL 33172

USA

Contact Name

305-925-2600

Buyer

Chantal Lavoie

Vendor Phone

Customer POID

Ship To Contact

Customer Tax # Terms

10127-2607 Net 30

USD

Ship To Phone

FedEx Overnight collect

Currency FOB

Destination-Collect

Ship Via: Ship Acct

5 351611-010

O-RING

1/21/2015

Yes 1/21/2015

200.00

Each

Line Total:

Line Total:

NA\$391B6P

Washer

1/21/2015

150.00 Each 50, 19

Yes

1/21/2015

Line Total:

NAS388-6-8P

SCREW

1/21/2015

Yes 1/21/2015 100.00 Each 41111

Line Total: >15-01-22

Note:

1/19/2015



Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27119

Purchase Order Date 1/19/2015 PO Print Date 1/19/2015

Page Number 9 of 40

Order From:

KLX INC.

88289 EXPEDITE WAY

VU-KLX01

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

CHICAGO, IL 33172

USA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

OS200-M44S

305-925-2600

Buyer

Customer POID

Customer Tax # Terms

Currency FOB

Chantal Lavoie

10127-2607 Net 30 USD

Destination-Collect

Ship Via: Ship Acct:

CLAMP

FedEx Overnight collect

1/21/2015

Yes 1/21/2015 30.00

Each

Line Total:

9 PISC35-38A

Dzus 1/4 Turn Fastener

1/21/2015 Yes 1/21/2015

150.00

Each

4.1 gr

Line Total:

1400.90

MS20470A5-4

1/21/2015

Yes 1/21/2015

50.00 Each

Line Total:

Deliver To: DAVID.BAIN

→ MS21209F7-15

Heli-Coil, Locking

1/21/2015 FN

1/21/2015

Yes

100.00 Each 9,13

Note:

2501-52

<u></u>		CANADA	CANADA CUST	TOMS INVOICE		Page				
-3-	CUSTOMS AND EXCISE DOUANE	S ET ACCISE FAC	TURE DES DO	UANES CANA	DIENNES	1 of de 2				
	(Name and Address)/Vendeur (Nom et adresse)		2. Date of Direct S	hipment to Canada/Da	te d'expédition directe vers	s la Canada				
KLX	CInc.		01/20/2015							
P.O	. Box 025263		3. Other References (include Purchaser's Order No.)							
Mia	mi, FL 33102-5263		Autres références (inclure le n° de commande de l'acheteur) PO#: Multiple See Item 12							
1	nee (Name and Address)/Destinataire (Nom et adres RT AEROSPACE LTD	SSO)	Nom et adresse	me and Address (If othe de l'acheteur (S'il diffè						
	ABERDEEN ST		DART AEROSP 1270 ABERDEE HAWKESBURY	ACE LTD N ST						
1	VKESBURY, ON		CANADA K6A 1	k7						
1	IADA K6A 1K7		6 Country of Trans	sshipment/Pays de tran	shardement					
			CANAD	•	ossi semen					
			7. Country of Origin	n of Goods les marchandises	IF SHIPMENT INCLUD	ES GOODS OF DIFFERENT ORIGINS				
			USA		SI L'EXPÉDITION COMPREI DIFFÉRENTES, PRÉCISER L	NO DES MARCHANDISES D'ORIGINES LEUR PROVENANCE EN 12				
	ortation: Give Mode and Place of Direct Shipment to ort: Préciser mode et point d'expédition directe vers			iles and Terms of Payn gnment Shipment, Lea						
				ente et modalités de pa pédition en consignation	iment on, location de marchandis	ses, etc.)				
FEC	OX INTL P1 COLL		NET 45							
				lement/Devises du paie	ement					
			,	U.S. Cu						
11. No. of Pkgs	12. Specification of Commodities (Kind of Package Description and Characteristics, i.e. Grade, Qu	ality)		13. Quantity (State Unit)	<u></u>	e/Prix de vente				
N ^{bre} de colis	Désignation des articles (Nature des colis, mar et caractéristiques, p. ex. classe, qualité)	gues et numéros, description gén	érale	Quantité (Préciser l'unité)	14. Unit Price Prix unitaire	15. Total				
1	PO#: PO27119	Invoice#: HY1N	MT							
	MS20257-3-7200	HINGE		10	11.370 /EA	113.70				
1	PO#: PO27096	Invoice#: HY1N	INP							
	AN4-7A	BOLT		100	0.170 /EA	17.00				
_	PO#: PO27119	Invoice#: HY1N								
	CR3213-5-03	CR MAX RIVE	-	200	0.400 /EA	80.00 192.00				
	MS21042L4 MS21042L5	NUT, SELF-LC LOCKNUT	CKING	1200 500	0.160 /EA 0.450 /EA	225.00				
	MS21043-3	NUT, SELF-LO	CKING	1000	0.380/EA	380.00				
	·									
		U.S. Cu	rrency							
	f fields 1 to 17 are included on an attached comment enseignements des zones 1 à 17 figurent sur la facti		· V	16. Total Weight		17. Invoice Total Total de la facture				
1	ercial Invoice No./N° de la facture commerciale	218 COMMINION CLAIRE, COCHOS CERTE DOI		Net	Gross/Brut 411b 0oz	3,112.55				
19. Exporte	er's Name and Address (if other than Vendor)		20. Originator (Name	and Address)/Expédit	eur d'origine (Nom et adre	<u> </u>				
	adresse de l'exportateur (S'il diffère du vendeur) (Inc.			A MA	\					
1	00 NW 15 TERRACE			The state of the s	•					
1	MI, FL 33172			Office V	lanager					
21. Departn	nental Ruling (if applicable)/Décision du Ministère (S	'il y a lieu)		are not applicable, che à 25 sont sans objet, co		V				
	ded in field 17 indicate amount:	24. If not included in field 17 ind			if applicable)					
1 '	pris dans le total à la zone 17, préciser: nsportation charges, expenses and insurance	Si non compris dans le total (i) Transportation charges,	-		(Sʻil y a lieu): ralty payments or subsequ	ent proceeds are				
from Les	n the place of direct shipment to Canada frais de transport, dépenses et assurances	to the place of direct ship Les frais de transport, de	oment to Canada Spenses et assurance	s paid	I or payable by the purcha redevances ou produits on	ser				
	artir du point d'expeédition directe vers le nada	jusqu'au point d'expéditi	on directevers le Can	ada vers	sés par l'acheteur					
\$_		\$								
incu	sts for construction, erection and assembly urred after importation into Canada	(ii) Amounts for commission commissions	• •							
	coûts de construction, d'érection et ssemblage après importation au Canada	Les commissions autres pour l'achat	que celles versées	l 'for i	purchaser has supplied g	ese goods				
\$		\$		L'ac	for use in the production of these goods L'acheteur a fourni des marchandises ou des services pour la production des marchandises					

(iii) Export packing Le coût de l'emballage d'exportation

(iii) Export packing
Le coût de l'emballage d'exportation



Revenue Canada Customs and Excise

Revenu Canada Douanes et Accise

CONTINUATION SHEET FEUILLE SUPPLÉMENTAIRE

Page 2 2

1. Vandor (Name only)/Vendeur (Nom seulement)

KLX Inc.

2. Other References (include Purchaser's Order No.)
Autres références (inclure le n° de commande de l'acheteur)

3. Consignee (Name only)/Destinataire (Nom seulement)

DART AEROSPACE LTD

Purchaser if other than Consignee and/or Importer (Name only)
 Acheteur, s'il diffère du destinataire et (ou) de l'importateur (Nom seulement)

Multiple -- See Item 6

DART	AEROSPA:	CF LTD

DAR	T AEROSPACE LTD	, l				
5. No. of	6. Specification of Commodities (Kind of Packages, Mark	s and Numbers, General		13. Quantity (State Unit)	Selling Price	e/Prix de vente
Pkgs N ^{bre} de	Désignation des articles (Nature des colis, margues e	t numéros, description généra	le l	Quantité	14. Unit Price	15. Total
colis				(Préciser l'unité)	Prix unitaire	
	PO#: PO27119	Invoice#: HY1MN	IT			
	NAS1149C0332R	WASHER, FLAT		2000	0.020 /EA	40.00
	NAS1149F0432P	WASHER, FLAT		800	0.030 /EA	24.00
	DO# DO07440	1			,	
	PO#: PO27119	Invoice#: HY1MN	_			and the state of t
	D5-PFSC35-38A-HF	DZUS FASTENE	K	150	2.060 /EA	309.00
1	PO#: PO27119	Invoice#: HY1MN	т			one of the contract of the con
	CCR264SS-3-02	CHERRY PULL-	1	200	0.100 /EA	20.00
	CR3213-4-04	CR MAX RIVET		100	0.350/EA	35.00
	CR3213-4-05	CR MAX RIVET		100	0.370 /EA	37.00
	CR3213-4-01	CR MAX RIVET				1
	CR3213-4-02			100	0.390 /EA	39.00
		CR MAX RIVET		500	0.320 /EA	160.00
	CR3213-4-03	CR MAX RIVET		200	0.360/EA	72.00
	CR3242-4-02	CR MAX RIVET		200	0.370/EA	74.00
	MS17984C413	QUICK RELEASI	= PIN	12	18.000 /EA	216.00
	MS20600AD4W5	RIVET, BLIND		300	0.180 /EA	54.00
	MS20601AD4W3	RIVET, BLIND		300	0.190 /EA	57.00
	MS20615-4M20	RIVET, SOLID	,	50	0.400 /EA	20.00
	MS20615-3M3	RIVET, SOLID		200	0.080 /EA	16.00
	MS21047L06	LOCKNUT, PLAT	E - TWO	120	0.300/EA	36.00
	MS21075-06	LOCKNUT, PLAT	E - TWO	10	1.500 /EA	15.00
	NAS1149D0663J	WASHER, FLAT	-	1	0.050 /EA	0.05
	NAS391B6P	WASHER		150	0.190/EA	28.50
	NAS388-6-8P	SCREW		100	4.950/EA	495.00
	QS200M44S	CLAMP		30	1.750 /EA	52.50
	MS20470A5-4	RIVET, SOLID		50	0.300/EA	15.00
	MS21209F7-15	INSERT	,	100	0.520 /EA	52.00
	WOZ 12001 7 TO	HOLIVI		100	0.520 /EA	52.00
	PO#: PO27119	Invoice#: HY1MN	S			
	MS20819-12J	SLEEVE	1	10	4.780 /EA	47.80
	PO#: PO27119	Invoice#: HY1MN	D			
	CR3523-4-02	CR MAX RIVET		200	0.050 /57	700 00
	CR3523-4-02	CR MAX RIVET		200	0.950 /EA	190.00
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			Ì			
:						
1						
			1	i	1	1

U.S. Currency



Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002 Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXaerospace.com

INVOICE NUMBER **HY1MNT**

PAGE 1

solp 10:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO).	DATE	SHIP VIA			TERMS		SHIPPING TERMS
PO27		01/20/15	FEDX INTL I	P1 COLL		NET 45		FOB-MIAMI
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
1.	200	CCR264SS-3-02 Description CHERR MFR: CHERRY ABROS	Y PULL-THRU	0.100 RIVET	EA	0	200	20.00
2	100	CTRL#: 2011A08212 LOT#: 87427443 LOT QTY: 200 Country of Origir	i USA X RIVET SPACE SANTA	0.350	EA	0	100	35.00
3	100	LOT#: 87579512 LOT QTY: 100 Country of Origin CR3213-4-05 Description CR MA	n USA AX RIVET SPACE SANTA	.0,370	43	0	. 100	37.00
4	100	Description CR M MFR: CHERRY AERO CTRL#: 2006I1017	n USA AX RIVET SPACE SANTA	0.39	D EX	0	10	0 39.00
5	500	Description CR M	AX RIVET	0.32			50	6 160.00
		MATERIAL TO BE	RETURNED MUST	HAVE PRIOR	AUTH	IORIZATION BY K	LX INC.	

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

MATERIAL CERTIFICATION: KLX INC. ("KLX AEROSPACE SOLUTIONS") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMEN ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL REQUIREMENTS AND THE SPECIFIC MANUFACTURERS. KLX AEROSPACE SOLUTIONS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL REQUIREMENTS AND THE SPECIFIC MANUFACTURERS. KLX AEROSPACE SOLUTIONS IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF KLX AEROSPACE SOLUTIONS IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT SHALL OF ANY ITEM WHICH IS REJECTED CONSTITUTE SATISFACTION OF ALL LIABILITY KLX AEROSPACE BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP SUCH REPLACEMENT SHALL OF ANY ITEM WHICH IS REJECTED CONSTITUTE SATISFACTION OF AN ITEM WITHIN 30 DAYS SOLUTIONS MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL KLX AEROSPACE SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENT DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENT DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENT DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENT DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENT DAMAGES.

PACKING SLIP

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS PACKING SLIP, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:

http://www.KLXaerospace.com/conditions-sale/



INVOICE NUMBER HY1MNT

PAGE 2

SEND TO ACCOUNTING

SOLD 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

RDER NO.		DATE	SHIP VIA		1	TERMS		SHIPPING TERMS
PO271	19	01/20/15	FEDX INTL P	1 COLL	1	NET 45		FOB-MIAMI
	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
		MFR: CHERRY AEROS CTRL#: 2014J18436		N				
6	200	LOT#: 87999211 LOT QTY: 500 Country of Origin CR3213-4-03 Description CR MA	X RIVET	0.360	EA	0	200	72.00
		MFR: CHERRY AEROS CTRL#: 2011#22099 LOT#: 87484144 LOT QTY: 200 Country of Origin						
7	200	-	X R IVET SPACE SANTA ?	0.400 N	EA	0	200	0.00
8	200	Country of Origin CR3242-4-02 Description CR MA MFR: CHERRY AEROS	AX RIVET SPACE SANTA	Ø.370	EA	0	209	74.00
		CTRL#: 2008K11817 LOT#: 87107710 LOT QTY: 200 Country of Origin		18.000	- E7		1	2 216.00
10	12	MS17984C413 Description QUICE ECCN :9A991 MFR: AVIBANK MFG		1	EA			
		MATERIAL TO BE	SETUDNED MUST	HAVE PRIOR A	UTHO	DRIZATION BY KI	X INC.	

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

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PAGE 3

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eo:PJ:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

RDER NO.		DATE	SHIP VIA		1	TERMS	S	HIPPING TERMS
PO2711	9	01/20/15	FEDX INTL PI	COLL		NET 45	F	OB-MIAMI
TEM Q	UANTITY PROFILED	PART NUMBER AND DESCRIPTION			JNIT	BACK ORDER S	HIPPED	AMOUNT
1.1	10	Description HINGE ECCN :9A991 MFR: LA DEAU MFG		11.370	EA	0	10	113.70
12	300	CTRL#: 2014802196 LOT#: 76419 LOT QTY: 10 Country of Origin MS20600AD4W5 Description RIVET ECCN :9A991 MFR: CHERRY AEROS	, BLIND	0.180 N	EA	0	300	54.00
13	300	CTRL#: 2014H14776 LOT#: 87961961 LOT QTY: 300 Country of Origin	USA , BLIND PACE SANTA A	0.190	EA	0	300	57.00
1.4	50	LOT#: 87971281 LOT QTY: 300 Country of Origin MS20615-4M20 Description RIVET	ı USA	0.400	EA	. 0	5.0	20.00

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DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO.).	DATE	SHIP VIA		7	rerms	***************************************	SHIPPING TERMS
PO271		01/20/15	FEDX INTL P	1 COLL	[:	NET 45		FOB-MIAMI
TEM	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
15	200	ECCN: 9A991 MFR: AHG ATELIERS CTRL#: 2012F11039 LOT#: 260620 P01 LQT QTY: 50 Country of Origin MS20615-3M3 Description RIVET ECCN: 9A991 MFR: ALLFAST FAST CTRL#: 2014G04728	FRANCE SOLID ENING	O.080	EA	0	200	ງ 1.6.0ປ
17	1200	LOT#: S140515001C LOT QTY: 200 Country of Origin MS21042L4 Description NUT, ECCN :9A991	USA SELF-LOCKING	0,160	EA	0	120	0 192.00
18	500	MFR: MACLEAN-ESNA CTRL#: 2014K01200 LOT#: 45781-000 LOT QTY: 1200 Country of Origin MS21042L5	ı USA	0.450	EA	0	50	0 225.00
		Description LOCKN ECCN:9A991 MFR: ALCOA FASTEN CTRL#: 2014I12280 LOT#: 51693 LOT QTY: 500 Country of Origin	NING/REPUBLI	C				
		MATERIAL TO BE F	THE MICH	HAVE DDIOD A	LITH	ORIZATION BY K	LX INC.	

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DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

RDER NO.		DATE	SHIP VIA		1	TERMS		SHIPPING TERMS
PO2713	19	01/20/15	FEDX INTL P	1 COLL	ĺ	NET 45		FOB-MIAMI
EM G	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION			UNIT	BACK ORDER	SHIPPED	AMOUNT
19	1000	MS21043-3 Description NUT, ECCN :9A991.d MFR: ALCOA KAYNAR CTRL#: 2013H23569	FULLERTON	0.380	EA	0	1000	380.00
20	120	LOT#: M021200-000 LOT QTY: 1000 Country of Origin		0.300	EA	0	12	0 36.00
20	120	Description LOCKN ECCN :9A991 MFR: ALCOA FASTEN CTRL#: 2010B06145 LOT#: UC125 LOT QTY: 120	UNG/REPUBLIC	TWO LUG				
21	10	Country of Origin	***	1.500 TWO LUG	EA	o	1	0 15.00
		MFR: PAOLO ASTORI CTRL#: 2014H14779 LOT#: 58401- LOT QTY: 10						
22	2000	Country of Origin NAS1149C0332R Description WASHI ECCN: 9A991 MFR: SUPERIOR WAS CTRL#: 2013I17548 LOT#: C134126-02-	ER, FLAT SHER AND GASI 3	0.020 Œ	EA		200	6 40.00

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DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

RDER NO.		DATE	SHIP VIA		ן	ERMS		SHIPPING TERMS
PO271	119	01/20/15	FEDX INTL B	1 COLL]	NET 45		FOB-MIAMI
EM O.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
23	1	Country of Origin NAS1149D0663J Description WASHE ECCN :9A991 MFR: ANILLO INDUS	R, FLAT TRIES	0.050	EA	0	1	0.05
24	800	LOT#: X6816 LOT QTY: 1 Country of Origin	USA R, FLAT TRIES	0.030	EA	0	800	24.00
26	150	LOT#: Y1527 LOT QTY: 800 Country of Origin	USA GR TRIES	0.190	EA	o	150	28.50
27	100	LOT#: X7228 LOT QTY: 150 Country of Origin	usa V EW (RI)	4.950	EA		100	495.00
		MATERIAL TO BE R		1	1		1	

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DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

		·····	0440384			TERMS	SH	IPPING TERMS
ORDER NO		OATE	SHIP VIA	1 GOLT	- 1	NET 45	1	DB-MIAMI
PO271	119	01/20/15	FEDX INTL F			BACK ORDER	SHIPPED	AMOUNT
TEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ONDER	SHIPPED	AMOONT
28	30	LOT QTY: 100 Country of Origin QS200M44S Description CLAMP ECCN: 9A991 MFR: BREEZE CLAMP		1.750	EA	0	30	52.50
30	50	CTRL#: 2012I075\$1 LOT#: 082812 LOT QTY: 30 Country of Origin	usa , solid haute+garol	0.300	EA	0	50	15.00
32	100		FRANCE	0.520	EA	0	100	52.00
		Description INSER ECCN: 9A991 MFR: EMHART TEKNO CTRL#: 2014D16320 LOT#: 786832 LOT QTY: 100 Country of Origin These commodities	LOGIES LLC I	y or soft	ware	were		
		exported from the	United Sta	res in ac	gor	zance		y
		MATERIAL TO BE R		LAVE DOLOG A	LITE	DDIZATION BY K	I X INC	

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DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO.		DATE	SHIP VIA		1	TERMS		SHIPPING TERMS
PO271	L19	01/20/15	FEDX INTL P	1 COLL	:	NET 45		FOB-MIAMI
TEM	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
	*** SHIP) # 1=TBE # 2=CTN # 3=CTN	I (2000)	y to U.S. la *** 532552 \$32563					
INVOI	CE#:		8888					
ORDER	# :	9H77J1						
CONSO	LIDATE#.:	1B6X3E					SUBTOTAL HANDLING DISC/AL INCM FR FREIGHT TOTAL	G . 0.00 L : 0.00
gxd	9H77J1	SHIPPED ON 01/20/					I VING	U.S. CURRENC

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PAGE 1

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DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7



SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO	١.	A	DATE	SHIP VIA				TERMS		SHIPPING TERMS
PO271	119		01/20/15	FEDX :	INTL	P1 COLL		NET 45		FOB-MIAMI
TEM NO.	QUANTITY ORDERED		PART NUMBER AND DESCRIPTION			PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
16		10	MS20819-12J Description SLEEV ECCN :9A991		*	4.780	EA	0	1(47.80
			MFR: DESIGNED MET CTRL#: 2014I09828 LOT#: F00033260-3 LOT QTY: 10 Country of Origin	7076	PERI	14S				
29		150	D5-PFSC35-38A-HF Description DZUS MFR: SOUTHCO CONC CTRL#: 2015A09815 LOT#: 0001270591	FASTEN ORDVIL	99*	2.060	EA	0	150	309.00
			LOT QTY: 150 Country of Origin **REF: PFSC35-38F These commodities exported from the	ı, tech						
			with the Export P	Adminis	trat	ion Regulat	ior	ıs.		
			Diversion contrar	.y		10 p10				***(

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.

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SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

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Nice President of Quality
IS AND CONDITIONS OF SALE AT:



INVOICE NUMBER HY1MNS

2 PAGE

50 th 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

		2000 2000 SWEL						
ORDER NO.		DATE	SHIP VIA		- 1	TERMS		SHIPPING TERMS
PO271	L19	01/20/15	FEDX INTL P	1 COLL]	NET 45		FOB-MIAMI
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE U	NIT	BACK ORDER	SHIPPED	AMOUNT
INVOI	7	9H79P8					SUBTOTAL HANDLING DISC/ALL INCM FRI FREIGHT TOTAL	0.00
	9H79P8	SHIPPED ON 01/20/						

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Vice President of Quality

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS PACKING SLIP, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
http://www.KLXaerospace.com/conditions-sale/



INVOICE NUMBER HY1MNR

PAGE 1

SEND TO ACCOUNTING

soup 79:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO.		DATE		SHIP VIA		l	TERMS		SHIPPING TERMS
PO27119			01/20/15	FEDX INT	L P1 COLL		NET 45		FOB-MIAMI
	NTITY ER ED	PART NUMBER	AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
9	200	MFR: CF CTRL#: LOT#: & LOT QTY	otion CR MA HERRY AEROS 2007J03805 86895587 f: 200	PACE SANT	0.950 A AN	EA	0	200	190.00
		These of exporte with the Diversi	ed from the ne Export A ion contrar	, technol United S dministra	ogy or softw tates in acc tion Regulat law is prob	ord ion	ance s.		
INVOICE#		ACCT# 153	179324-0						
ORDER#	:	9H79L8						:	
CONSOLII	DATE#.:	1B6X3E							***
								SUBTOTA HANDLING DISC/AL INCM FR FREIGHT	0.00 L: 0.00
avd 9	H79L8	SHIDDED	ON 01/20/1	5				TOTAL	190.00U3) U.S. CURRENCY
gxd 9	1112110	1	TERIAL TO BE R		1		1		

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

MATERIAL CERTIFICATION: KLX INC. ("KLX AEROSPACE SOLUTIONS") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMEN AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMEN ARE CONFORMED AND THE SPECIFICATIONS OF THE RESPECTIVE MANUFACTURERS. KLX AEROSPACE SOLUTIONS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF KLX AEROSPACE SOLUTIONS IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP SUCH REPLACEMENT SHALL OF ANY ITEM WHICH IS REJECTED CONSTITUTE SATISFACTION OF ALL LIABILITY KLX AEROSPACE SOLUTIONS MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL KLX AEROSPACE SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENT DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.

PACKING SLIP



INVOICE NUMBER HY1MNT PAGE 1 OF 10

soun 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

•	

RDER NO.		DATE		SHIP VIA	•			TERMS		SHIPPING TERMS		
PO271	L19		01/20/15	FEDX	INTL P	1 COLL		NET 45		FOB-	IMAIM	
TEM IO.	QUANTITY	PART NUMBER AN	D DESCRIPTION	L		PRICE	UNIT	BACK ORDER	SHIPPED	A	MOUNT	
1	200	CCR264SS-	3-02			0.10	0 EA	0	20	0	20.00	
		CHERRY P	ULL-THRU 1	RIVET								
		Country	Origin: U	SA								
		TARIFF:	7318.23.0	000								
		MFR: CHE	RRY AEROS	PACE S	ANTA A	N .						
		CTRL# :	2011A082	12					1			
		LOT# :	87427443									
	!	LOT QTY:	200									
		COUNTRY	OF ORIGIN	: USA								
		Country	of Origin	: USA	i							
2	100	CR3213-4-	04			0.35	O EA	0	10	0	35.00	
		CR MAX R	IVET									
		Country	Origin: U	SA						-		
		TARIFF:	7616.10.3	000								
		MFR: CHE	RRY AEROS	PACE S	ANTA A	N						
		CTRL# :	2012A159	78						-		
		LOT# :	87579512									
		LOT QTY:										
			OF ORIGIN					1				
		Country	of Origin	: USA								
3	100	CR3213-4-	05			0.37	O EA	0	10	0	37.00	
		CR MAX F	RIVET									
		Country	Origin: U	SA								
		I.	7616.10.3									
		MFR: CHE	RRY AEROS	PACE S	ANTA A	N						
		CTRL# :	2012D096	89								
		LOT# :	87603738									
		LOT QTY:	100									
			OF ORIGIN									
		Country	of Origin	: USA						_	20.22	
4	100	CR3213-4-	01			0.39	O EA	. 0			39.00	
	1							1	**	*CONT	CINUED***	

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002
SEND TO ACCOUNTING

INVOICE NUMBER HY1MNT

PAGE 2 OF 10

50LD 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO).		DATE	SHIP VIA					TERMS		SHIPPING TERMS	
PO27	119	:	01/20/15	FEDX I	NTL :	P1 CC	LL		NET 45		FOR	B-MIAMI
TEM IO.	QUANTITY ORDERED	PART NUM	BER AND DESCRIPTION			PRICE		UNIT	BACK ORDER	SHIPPED		AMOUNT
		CR M	MAX RIVET									
		Cour	ntry Origin: U	SA								
		TARI	FF: 7616.10.3	000								
		MFR:	CHERRY AEROS	PACE SA	NTA .	ZN.						
		CTRI	J# : 2006I101	77								
		LOT#	: 86642882									
		LOT	QTY: 100									
		i .	TRY OF ORIGIN									
		Cour	ntry of Origin	: USA								
5	500	CR321	L3-4-02				0.320	EA	0	50	0	160.00
		CR N	MAX RIVET					ı				
		Cour	ntry Origin: U	SA								
		TAR	FF: 7616.10.3	000								
		MFR	CHERRY AEROS	PACE SA	ATA	AN						
		CTRI	L# : 2014J184	36								
			: 87999211									
		LOT	QTY: 500									
			TRY OF ORIGIN									
		Cour	ntry of Origin	: USA							_	
6	200	CR32	L3-4-03			1	0.360	EA	0	20	0	72.00
			MAX RIVET									
		1	ntry Origin: U						į			
		1	[FF: 7318.23.0									
			: CHERRY AEROS		ATM	AN						
			L# : 2011H220									
		LOT	‡ : 87484 1 44									
		1	QTY: 200									
		1	NTRY OF ORIGIN									
			ntry of Origin	: USA					_		_	00.00
7	200	CR32:	13 - 5-03				0.400	EA	0	20	U	80.00
		CR	MAX RIVET									
								1		**	*CO	NTINUED***

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



INVOICE NUMBER HY1MNT

PAGE 3 OF 10



5040, 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER N	О.		DATE	SHIP VIA				TERMS		SHIPPING TERMS	
PO27	119		01/20/15	FEDX INTL	P1	COLL		NET 45		FOE	B-MIAMI
TEM NO.	QUANTITY ORDERED	PART NUM	IBER AND DESCRIPTION	·	PF	RICE	UNIT	BACK ORDER	SHIPPED		AMOUNT
		1	try Origin: U								
		I.	FF: 7616.10.3		7.7						
		1	CHERRY AEROS		AN						
		1	_# : 2011I081	22							
		LOT#									
			QTY: 200								
		1	TRY OF ORIGIN								
			ntry of Origin	: USA						_	54.00
8	200	CR324	12-4-02			0.370	EA	0	200)	74.00
			MAX RIVET								
		Cour	ntry Origin: U	SA							
		1	IFF: 7616.10.3								
		MFR	CHERRY AEROS	PACE SANTA	AN.						
		CTRI	L# : 2008K118	17							
		LOT	: 87107710								
		LOT	QTY: 200								
		COU	TRY OF ORIGIN	: USA							
		Cour	ntry of Origin	: USA							
10	12	MS179	984C413			18.000	EA	0	1:	2	216.00
		QUIC	CK RELEASE PIN								
		ECCI	N :9A991								
		Cour	ntry Origin: U	SA							
		TAR	IFF: 7318.16.0	060							
		MFR	: AVIBANK MFG.								
		CTRI	L# : 2014G052	06							
		LOT	± : 1438754								
		LOT	QTY: 12								
		1	TRY OF ORIGIN	: USA							
		Cour	ntry of Origin	: USA							
11	10		257-3-7200			11.370	EA	0	1	0	113.70
		HING	GE								
									**	* CO1	TINUED***
			MATERIAL TO BE R	CTUDNED MUS	THAY	/E DRIOD A	ITU	DIZATION BY P	YINC		<u> </u>

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



INVOICE NUMBER HY1MNT

PAGE 4 OF 10

50HD IQ:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO).		DATE	SHIP VIA				TERMS		SHIPPING TERMS		
PO27	119		01/20/15	FEDX INT	'L P1	COLL	l	NET 45		FOB-MIAMI		
TEM IO.	QUANTITY ORDERED	PART NUM	IBER AND DESCRIPTION	1	PR	ICE	UNIT	BACK ORDER	SHIPPED	AMOUNT		
		l .	:9A991									
		ı	ntry Origin: U									
			FF: 7609.00.0	000								
			LA DEAU MFG									
			J# : 2014B021	96	ŀ							
		LOT#			*							
			QTY: 10									
			TRY OF ORIGIN									
		t .	ntry of Origin	: USA							0.0	
12	300	1	00AD4W5			0.180	EA	0	300	0 54	.00	
		1	T, BLIND									
			I:9A991									
		1	ntry Origin: U									
			FF: 7616.10.3									
			CHERRY AEROS		'A AN							
			L# : 2014H147									
		LOT#										
		II .	QTY: 300									
			TRY OF ORIGIN									
		L	ntry of Origin	: USA				0	30	_	.00	
13	300		501AD4W3			0.190	EA	"]	0 3,	.00	
	1	1	ET, BLIND									
			N :9A991	· G 7								
		1	ntry Origin: U		İ							
		1	FF: 7616.10.3		77 737							
		1	: CHERRY AEROS		IA AN							
		i	L# : 2014I250									
		LOT	•									
		1	QTY: 300	. 1107								
			NTRY OF ORIGIN									
		Cour	ntry of Origin	: USA	l				**	*CONTINUED**	*	
			MATERIAL TO BE R							"CONTINUED""		

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



INVOICE NUMBER HY1MNT

PAGE 5 OF 10

50LD 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER N	0.	D.	ATE	SHIP VIA			TERMS		SHIPPING TERMS
PO27	119		01/20/15	FEDX INTL	P1 COLL		NET 45		FOB-MIAMI
TEM IO.	QUANTITY ORDERED	PART NUMBI	ER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
14		MS2061	5-4M20		0.400	EA	0	50	20.00
		RIVET	, SOLID						
		ECCN	:9A991						
		Count	ry Origin: F	RANCE		ļ			
		TARIF	F: 7508.90.5	000					
		MFR:	AHG ATELIERS	HAUTE-GAR	ИИС				
		CTRL#	: 2012F110	39					
		LOT#	: 260620 P	01 F002					
		LOT Q	TY: 50						
		COUNT	RY OF ORIGIN	: FR					
		Count	ry of Origin	: FRANCE					
15	200	MS2061	5-3M3		0.08	EA	0	200	16.00
		RIVET	, SOLID						
		ECCN	:9A991						
		Count	ry Origin: U	SA					
		1	F: 7508.90.5						
		1	ALLFAST FAST						
			: 2014G047						
			: S1405150	01C					
		1	TY: 200						
		1	RY OF ORIGIN						
			ry of Origin	: USA		.		100	192.00
17	1200	I .			0.16	EA	0	1200	192.00
			SELF-LOCKING						
		1	:9A991			1			
			ry Origin: U						
			F: 7318.16.0						
			MACLEAN-ESNA						
		1	: 2014K012						
		1	: 45781-00	U					
		LOT	TY: 1200						*CONTINUED***
	<u> </u>	<u> </u>	MATERIAL TO BE R	***					"CONTINOED"""

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



INVOICE NUMBER HY1MNT

PAGE 6 OF 10

SOLD IQ:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO).		DATE	SHIP VIA				1	TERMS		SHIP	PING TERMS
PO271	119		01/20/15	FEDX	INTL	P1 COL	L]]	NET 45		FOE	B-MIAMI
ITEM NO.	QUANTITY ORDERED	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	MBER AND DESCRIPTION			PRICE		UNIT	BACK ORDER	SHIPPED		AMOUNT
18	500	Cour MS21C LOCE ECCY Cour TAR MFR CTRI LOT	XNUT N :9A991 htry Origin: M IFF: 7318.16.0 : ALCOA FASTEN L# : 2014I122 # : 51693 QTY: 500	: USA EXICO 085 ING/RI			.450	EA	0	500		225.00
19	1000	Cour MS210 NUT ECCI Cour TAR:	, SELF-LOCKING N :9A991.d ntry Origin: U IFF: 7318.16.0 : ALCOA KAYNAR	: MEX		0	.380	EA	0	1000	o	380.00
20	120	LOT: LOT: COUI Coui MS210 LOC: ECCI Coui TAR: MFR	L# : 2013H235 # : M021200- QTY: 1000 NTRY OF ORIGIN ntry of Origin 047L06 KNUT, PLATE - N :9A991 ntry Origin: U IFF: 7318.16.0 : ALCOA FASTEN L# : 2010B061	: USA : USA TWO LU SA 030 ING/RI	UG		.300	EA	0	. 120		36.00
				-						**	*C01	TINUED***
		L	MATERIAL TO BE R	ETURNE	D MUST	HAVE PR	IOR AL	JTHO	RIZATION BY KI	LX INC.		

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002
SEND TO ACCOUNTING Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXaerospace.com

INVOICE NUMBER **HY1MNT**

PAGE 7 OF 10

50kg 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER N	0.		DATE	SHIP VIA	-				TERMS	-	SHIP	PING TERMS
PO27	119		01/20/15	FEDX	INTL	P1	COLL		NET 45		FOI	B-MIAMI
ITEM NO.	QUANTITY ORDERED		MBER AND DESCRIPTION			PRI	ICE	UNIT	BACK ORDER	SHIPPED		AMOUNT
			: UC125									
		1	QTY: 120 NTRY OF ORIGIN	. IICA								
		1				ĺ						
0.1	7.0	1	ntry of Origin 075-06	: USA			1.500	EΔ	0	1	0	15.00
21	10	1	KNUT, PLATE -	TWO II	TC		1.500	EA			•	15.00
		l .	ntry Origin: I		JG	ļ.						
		1	IFF: 7318.16.0									
		1	: PAOLO ASTORI			l						
			L# : 2014H147			ĺ						
			# : 58401	, ,		İ						
			QTY: 10			l						
		I	NTRY OF ORIGIN	• тт								
		I	ntry of Origin		LY							
22	2000		149C0332R				0.020	EA	0	200	0	40.00
			HER, FLAT									
		T .	N :9A991									
		1	ntry Origin: U	SA								
		1	IFF: 7318.22.0									
		MFR	: SUPERIOR WAS	HER A	ND GAS	SKE		į.				
		CTR	L# : 2013I175	48								
		LOT	# : C134126-	02-1								
		LOT	QTY: 2000									
		COU	NTRY OF ORIGIN	: USA								
		Cou	ntry of Origin	: USA								
23	1	NAS1	149D0663J				0.050	EA	0		1	0.05
		WASI	HER, FLAT									
		1	N :9A991									
		1	ntry Origin: U									
		1	IFF: 7616.10.9									
		MFR	: ANILLO INDUS	TRIES								
		1									* CO	TINUED***
			MATERIAL TO BE R	ETURNE	D MUST	HAV	E PRIOR A	JTHC	RIZATION BY KI	_X INC.		

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



INVOICE NUMBER HY1MNT

PAGE 8 OF 10



soup tq:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO	1									SHIPPING TERMS		
PO271	119	01/20/15 FEDX INTL P1 COLL NET 45						FOB-MIAMI				
TEM NO.	QUANTITY ORDERED	PART NU	IBER AND DESCRIPTION	l		PR	ICE	UNIT	BACK ORDER	SHIPPED	AMOUN	IT
24	800	COUN Cour NAS11 WASH ECCN Cour		: USA : USA SA			0.030	EA	0	800	0	24.00
26	150	CTRI LOT LOT COUN COUN NASS WASS COUN TARE	# : 2014G136 F : Y1527 QTY: 800 GTRY OF ORIGIN GTRY OF Origin G1B6P HER GTRY Origin: U GFF: 7415.21.0	: USA : USA : USA SA 000 TRIES			0.190	EA	. 0	150	0	28.50
27	100	LOTE LOTE COUNT COUNT NASSE SCRI ECCI COUNT	QTY: 150 NTRY OF ORIGIN ntry of Origin 88-6-8P	: USA : USA			4.950	EA	0	100	0	495.00
		IAK.	LFF. /510.15.0	000						**	*CONTINU	TED***

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXaerospace.com Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001 ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002 SEND TO ACCOUNTING **INVOICE NUMBER HY1MNT**

PAGE 9 OF 10

SOLD IQ:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

RDER NO).	DATE SHIP VIA TERMS					SHIPPING TERMS			
PO27:	119		01/20/15	FEDX	INTL	P1 COLL		NET 45	Ì	FOB-MIAMI
EM O.	QUANTITY	PART NU	MBER AND DESCRIPTION	<u> </u>		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
28	30	CTR LOT LOT COU Cou QS20 CLA ECC	QTY: 100 NTRY OF ORIGIN ntry of Origin 0M44S	: USA : USA	e Service	1.750	EA	0	30	52.50
30	5,0	TAR MFR CTR LOT LOT COU	IFF: 7318.15.5 : BREEZE CLAMP L# : 2012I075	030 S 51 : USA		0.300	EA	0	50	15.00
		RIV ECC Cou TAR MFR CTR LOT LOT COU	ET, SOLID N:9A991 ntry Origin: F IFF: 7616.10.3 : AHG ATELIERS L#: 2012D199 #: 253018 P QTY: 50 NTRY OF ORIGIN ntry of Origin EF: 71400-90	000 HAUTI 04 002 F	001	ии				
32	100	MS21	209F7-15 ERT			0.520	EA	0	100	
									***	CONTINUED***

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002
SEND TO ACCOUNTING

HY1MNT

PAGE 10 OF 10

INVOICE NUMBER



5040, 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO			DATE	SHIP VIA		1.	TERMS	\$		PING TERMS
PO271	L19		01/20/15	FEDX INTL	P1 COLL		NET 45		FO	B-MIAMI
ITEM NO.	QUANTITY ORDERED	PART NUI	MBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED		AMOUNT
			N :9A991							
			ntry Origin: U							
		TAR]	[FF: 7318.16.0	060						
			: EMHART TEKNO		PΑ					
			L# : 2014D163	20						
		LOT#	‡ : 786832							
		LOT	QTY: 100							
			NTRY OF ORIGIN							
		Cour	ntry of Origin	: USA						
			se commodities							
			orted from the							
			h the Export A							
		Dive	ersion contrar	y to U.S.	law is pro	hibi	ted.			
	*** SHIP	PED 2	CTNS, 1 TUBE	***						
	# 1=TBE	10#	0 OZ. 629573	532552						
	# 2=CTN	17#	0 OZ. 629573	532563				:		
	# 3=CTN	1	0 OZ. 629573	532574				·		
	FREIGHT A	CCT#	15179324-0							
								SUBTOTAL		2,548.75
								HANDLING		
								DISC/ALL		
								INCM FRT		
								FREIGHT	:	
								PREIGHT	•	
gxd	9H77J1	SHTD	PED ON 01/20/1	5				TOTAL	:	2,548.75USD
-	#16007.000	1	**CONSOLIDAT		₹				•	U.S. CURRENCY
LOLII	#10007.000	503	COMBOLIDAT	IONT IDONS	-					
		J	MATERIAL TO BE R	ETURNED MUST	HAVE PRIOR	OHTUA	RIZATION BY	KLX INC.		

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172





INVOICE NUMBER

HY1MNR

PAGE 1 OF 1

5040, 79:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SEND TO ACCOUNTING

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

PO27119 ITEM QUANTITY ORDERED 9 200	CR352 CR M	MBER AND DESCRIPTION	FEDX INTL E	PRICE		NET 45	SHIPPED	FOB-MIA	
NO. ORDERED	CR352 CR M	23-4-02		PRICE	UNIT	BACK ORDER	SHIDDED	т	
	CR M						J.	A	•
FREIGHT A	TARI MFR: CTRI LOT LOT COUN Cour These expo with Dive	MAX RIVET ntry Origin: US IFF: 7318.23.00 IFF: 7318.23.00 IFF: 2007J0380 IFF: 2000 NTRY OF ORIGIN INTRY ORIGIN INTR	PACE SANTA A SUSA USA USA technology United Stat	or softwees in according Regulat	are ord	ance s.	200		190.00
gxd 9H79L8 form #16007.000	l	PED ON 01/20/15 **CONSOLIDAT:	ON# 1B6X3E				SUBTOTAL HANDLING DISC/ALL INCM FRT FREIGHT TOTAL		190.00 0.00 0.00 0.00 0.00 190.00USD CURRENCY

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172





INVOICE NUMBER

HY1MNP

PAGE 1 OF 1



soup 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO.		DATE SHIP VIA TERMS		SHIPPING TERMS							
PO270	96		01/20/15	FEDX INTL E	OLL COLL	[:	NET 45		ਸ	OB-MI	IMI
ITEM NO.	QUANTITY ORDERED	PART NUM	MBER AND DESCRIPTION	J	PRICE	UNIT	BACK ORDER		SHIPPED	AMOUN	т
NO. 10	100	Cour TARI MFR: CTRI LOT COUR Cour Thes expo with Dive		085 S 75 : USA : USA , technology United State dministration	es in acc n Regulat	vare ord	were ance	0	100		17.00
gxd form	9H4ZL7 #16007.000		PED ON 01/20/1 **CONSOLIDAT						SUBTOTAL HANDLING DISC/ALL INCM FRT FREIGHT TOTAL	:	17.00 0.00 0.00 0.00 0.00 17.00USL
		I			1	1	T .				

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172







INVOICE NUMBER HY1MNS

PAGE 1 OF 2

Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXaerospace.com Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001 Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

soup 19:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO.			DATE SHIP VIA					·*··	SHIPPING TERMS		
PO27	119		01/20/15	FEDX INTL	P1 COLL		NET 45		FOB-MIAMI		
	QUANTITY ORDERED	PART NUM	ABER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT		
11EM NO. 16	10	MS208 SLEE ECCN Cour TARI MFR: CTRI LOT COUN COUR D5-PI DZUS COUR TARI MFR: CTRI LOT LOT **RI These expo	R19-12J EVE N :9A991 Atry Origin: U EFF: 7307.22.1 DESIGNED MET # : 2014I098 # : F0003326 QTY: 10 NTRY OF ORIGIN Atry of Origin EFSC35-38A-HF E FASTENER Atry Origin: U EFF: 7318.29.0 EFF: 7318.29.0 CH : 2015A098 # : 00012705 QTY: 150 NTRY OF ORIGIN Atry of Origin EF: PFSC35-38A See commodities Exted from the The Export A	000 AL DBA PERM 28 0-37076 : USA : USA SA 000 ORDVILLE (P 15 91 : USA : USA : USA , technolog United Sta dministrati	4.780 AS 2.060 A) The softward on Regular	EA	were	SHIPPED 1	0 47.80		
		DIVE	ersion contrar	,	u. 15 p101			**	*CONTINUED***		
	<u></u>	<u> </u>	MATERIAL TO BE R	ETURNED MUST	HAVE PRIOR A	L UTHO	RIZATION BY K	LX INC.			

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXaerospace.com
Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

INVOICE NUMBER
HY1MNS

PAGE 2 OF 2



soup JQ:09

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY, ON CANADA K6A 1K7

ORDER NO	D.		DATE	SHIP VIA			TERMS		SHIP	PING TERM	MS
PO27	119		01/20/15	FEDX INTL	P1 COLL		NET 45		FO	MAIM-8	1I
ITEM NO.	QUANTITY ORDERED	PART NUI	MBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED		AMOUNT	
	FREIGHT	ACCT#	15179324-0								
								Ji			
		1									
	!										
										•	
							ı				
		1									
								SUBTOTA	L :		356.80
								HANDLIN		1	0.00
								DISC/AL		1	0.00
								INCM FR			0.00 0.00
								FREIGHT	:		0.00
gxd	9H79P8	SHIP	PED ON 01/20/1	5				TOTAL	:		356.80USI
	#16007.000	l l	**CONSOLIDAT		E					U.S.	CURRENCY
			MATERIAL TO BE R	ETURNED MUS	THAVE PRIOR	AUTHO	RIZATION BY	KLX INC.			

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



ORIGINAL INVOICE

Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

10 'EA MS20257-3-7200

CUST REF#

OT-NUMBER MANUFACTURER AND COODS MFR DATE EXP DATE
(6419 LA DEAU MFG) 06192

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

MANUFACTURING CORPORATION JAN 17, 2014

CERTIFICATE OF CONFORMANCE

150 9001:2008 CERTIFIED TUV-USA Quality Systems

637 West Colorado Street, Glendale, California 91204 email: ladeaumfg@gmail.com Tel: 818-240-3990

BILL TO HIE AEROSPACE, INC.

P.O. BOX 025263 MIAMIFL 33102

CONSUMABLES MANAGEMENT

CONSIGNED TO AND DESTINATION B/E AEROSPACE CONSUMABLES MANAGEMENT 9835 NW 14TH ST MIAMI FL 33172

FEDEX/FREIGHT/COLL ROUTE DESCRIPTION

REF :

QUANTITY

1000

1

PURCHASE ORDER #

SHIPPER NO .: A-42226

084850

IMPORTANT:

SHIPPER NOT RESPONSIBLE FOR DISCREPANCIES UNLESS REPORTED WITHIN 15 DAYS OF RECEIPT

RECEIVED BY:

MIS20257-5-7200 COMPLIES WITH DEAR 252.225-7009 CHEM & PHYS CERT REE: RELEASENE SEYOTAH43

TOTAL >>

2 76419 C 76420 LOT#

LaDeau mfg. confirms that all materials furnished hereby are represented to conform to the drawings and/or specification detailed on the purchase. Test reports covering the material used in the manufacture of these items are on file and indicate conformance with applicable opacification requirements. These reports are available for review.

01/17/14

MAKE-UP

Voneso & Conunct Q.A. Managar



1901 N. Narragansett Ave. • Chicago, Illinois 60639 773/804.0404 • Fax 773/804.0408

www.industeel.com

An ISO 9001 Certified Company

03/28/13

ISW Order/Invoice Number: 147706-00

SHIP TO: L0590

LA DEAU MFG. COMPANY

SOLD TO: L0590

LA DEAU MFG. COMPANY

637 W. COLORADO STREET

GLENDALE

91209 CA

637 W. COLORADO STREET GLENDALE

CA 91209

147

CUSTOMER PO: J24440

0880SSBT

.0880"302 STAINL SPEC DIA N/M CNT CLS

WEIGHT:

3125

HEAT NUMBER: FOM9

CHEMISTRIES

C P S Mn Νi .069 1.020 .034 .001 .370 18.150 8.020 .061

Cu Mo .420 .300

PHYSICAL PROPERTIES

TENSILE: 256933 256933

TORSIONS:

ROCKWELL #1:

ROCKWELL #2:

YIELD STRENGTH: 000000/000000

ELONGATION:

REDUCTION OF AREA:

BENDS:

SALT SPRAY HOURS: COATING WEIGHT:

GRAIN SIZE:

*** SPECIFICATIONS

**** MERCURY FREE

TARIFF: 7223.00

NAFTA: B

ASTM A313-10 AMS 5688-L-

SAE J230-94

SHIPPER:

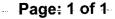
DATE:

MELT: US UNITED STATES ORIG: US UNITED STATES MILL: INDUSTRIAL ALLOYS

DFAR: Y ROHS: Y

Quality Control/Manager Rey Domingo,

The values and specifications herein are passed through from the manutacturer directly to the customer. Please see reverse side or www.industeel.com for all Terms and Conditions of Sale. Material Properties Sheet 70403-MPS Version 1 Approved by BF 11/20/12





P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172 x

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

100 EA MS21209F7-15

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MPR DATE EXP DATE

786832

EMHART TEKNOLOGIES L 01556

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

STANLEY.

Certificate of Compliance

To: B/E Aerospace Consumables

P.O. Box 025263 70 (C) Miami FL 33162-5263

Customer's Order No.

0SYW08

Sales Order No.

537928

Shipping Date

04/08/14

PART NUMBER	CONTROL NUMBER	I/A/W	QUANTITY
3591-7CN656	713984 (W-5049871)	MS21209F7-15	131.000
Country C	of Origin: US		
3591-7CN656	713984 (W-5049871)	MS21209F7-15	6.000
Country C	of Origin: US	•	
3591-7CN656	786832 (W-5054121)	MS21209F7-15	14863.000
Country o	of Origin: US		

We, STANLEY Engineered Fastening certify that all items listed above and supplied on the above mentioned Purchase Order have been inspected and comply in every way with the relevant drawings and/or specifications in accordance with your requirements.

We further certify that all stainless steel inserts supplied on the above Purchase Order have been inspected and comply in all respects with the applicable drawings and with the chemical composition and physical property requirements of AS7245 Rev A and ASME SA-479. All testing & sampling plans apply per NASM8846 Rev. 1.

In addition, those stainless steel inserts covered by National Aerospace Standards MS21208, NASM21209 Rev 3, NASM122076 thru NASM122275 Rev 1, NASM1224651 thru NASM124850 Rev 1, MS9018 Rev A and National Aerospace Specification NASM8846 Rev 1 are certified to conform thereof.

We also certify that all inconel inserts supplied on the above Purchase Order have been inspected and comply in all respects with the applicable drawing and with the chemical composition and physical property requirements of AS7246 Rev NEW. All testing & sampling plans apply per NASM8846 Rev. 1.

We further certify that Tangless® inserts are in conformance with NAS1130 Rev 5 and NA0276 Rev 3. Tangless is a registered trademark of Advanex, Inc. (JP) used under license.

Metric Heli-Coil® inserts are covered by the following Aerospace Standards MA3279 Rev B, MA3280 Rev B, MA3281 Rev B, MA3329 Rev C, MA3330 Rev C, MA3331 Rev C and MA1565 Rev A.

STANLEY Engineered Fastening maintains a single standard of quality and the Quality Assurance Program has been designed to comply with the requirements of ISO 9001:2008, AS9100:2009 Rev C, and TS16949:2009.

We further certify that the parts supplied are free from mercury contamination and that mercury in any form, including mercury thermometers, was not used in manufacture or testing

DFARS 252.225-7009 applies to articles containing specialty metals. We further certify that any tools and kits with an NSN number and Hell-Coil wire inserts supplied on the above Purchase Order comply with the requirements of section 252.225-7015 of DFARS.

The Quality Assurance Program, inspection records, chemical composition and physical analysis reports and special process certification are available for your review at our plant in Danbury, Connecticut at any time during normal business hours.

We also certify that all brass inserts supplied on the above Purchase Order have been inspected and comply in all respects with the applicable drawing and with the chemical requirements of ASTM "B16".// composition and physical property

nalioner

Authorized Signature

Emhart Teknologies LLC, a business division of

Firm STANLEY Engineered Fastening

A StanleyBlack&Decker, Inc. Company

This certificate of compliance is valid only when issued by STANLEY Engineered Fastening, 4 Shelter Rock Lane, Danbury, Connecticut 06810 or its authorized distributors. Any correspondence should reference the control number.

PERT! , ON ERIIV, ON DUMAS, AR LANCASTER, SC 613-267-3752 FAX 613-267-6617 519-833-8632 FAX 619-833-2213 870-382-2880 FAX 870-382-8988 803-283-3353 FAX 803-283-6303



FOND DU LAC, WI UNION, IL PERRIS, CA

Aromas

AUTHORIZED SIGNATURE

920-926-0609 FAX 920-926-0662 815-923-2131 FAX 815-923-2128 951-857-2105 FAX 951-943-6061

	THE LE	ADING MANUFAC	TURER OF STAIN	LESS STEEL A CANADA - EN	AND N MAIL:	UCKEL ALLOY sales@centra	WIRE PRODU	DCTS	•
CENTRAL WIRE INDU 1 NORTH STREET, P TEL: 613-267-3752 FAX: 613-267-3929/	JSTRIES LTD. ERTH, ONTARIO, CAN 1-888-267-37 2951 SALES FAX:	ADA K7H2S2						F CONF	ORMANCE
SOLD TO	EMHART TEKNO P.O. BOX 509 INDIANAPOLIS	18	ES LLC IN 46250			SHELTER DANBURY	ROCK L		CT 06810
	USA					USA			
cu	STOMER'S PO NO. 841702		YPE OF CERT	CUSTOME 1103		ORDEF 20288		WORK ORDER 5054121	1 4 4 1
1	32 Issue CE,	1	.A paragra	phs 2 &	3.:	1/		W-505	54121
p/	n: WR-WC-047	5 V			**********			<u> </u>	3 1751
FU.	HQ 304 DIL HARD Brig 0475 500LB PI lean	DESCRIPT tht Reel	4 4				ОТУ	CLASS SHIP	HEAT J7A7
			CREMIC	All ANA	l VS	ıs	T,		
.0709	SI .379!		WIN /	.0260	1	s .001	_/ ;	.8 . 0395	8.0065
MO .1490	/ FE Balance	7 1	CU 1040	N .0511 •	1				
- 1			MECHANI	ZAL PRO	PER	TIES:			Bry a c
AS SHIPPED P	ROPERTIES:	· · · · · · · · · · · · · · · · · · ·	·	γ		<u>1</u>			· ·
DIAMETER . 04751"	TENSILE 198.200/ KSI	YIELD 177.200 KSI	ELONGATI 2.500 %		. 89		CHEM	CAL ANALYSI	sok.
AFTER HEAT	TREAT PROPERTIES	¢					JAN-O	9 7034	
							QUALITY ASSI	RANCE HE	LI-COIL PROU
Pa Ra	re was solut. ssed cold be w material id	nd, coil ar s DFARS 252	nd stretch 2.225-7009	complia	res	ETEOLLO	AD 10 A4 /	9-04 / by USA	
chemical an	elysis and physical a	nd mechanical to	est results repor	ted above as	re				•

· Very truly yours,

:

FormSprint Form: #07:T_CERT,F2, 08/19/11

EMHART TORQUE TEST REPORT

StähleyBläck&Decker

Γ	PART NUMBER		WIRE LOT NUMB	ER	WORK O	RDER NUM	MBER	WORK ORDER QU	JANTITY			
	3591-7CN656		W-5054121			786832		25000				
L												
	THREAD SIZE		SPECIFICATION NU	MBER		UNITS		MACHINE NUMBER				
	7/16-20 S/L		PP3			LB-IN		369				
												
	PL	ATED	AFTE	ER H/T		BEFO	RE H/T]				
1st PIECE IN-PROCESS FINAL X												
	isti	-IECE		OC33 _				J 				
s			-0.5		7	CYCLE		15th CYCL				
I P	INSTALLATION	1st. CY	BREAKAWAY		- 1	ALLATION		REMOVAL				
E C	100 LB-IN	TMAX	14 LB-IN	MIN	100 L		MAX	14 LB-IN	MIN			
s	100 ED 111				L		<u> </u>	1				
				EST RES	ULTS							
			,					*				
1	49.2	MAX	42.4	MIN	31	.2	MAX	22.4	MIN			
												
2		MAX		MIN			MAX		MIN			
		T.u.v.		MIN	[MAX		MIN			
3		MAX		MIN			I WITCH					
		MAX		MIN			MAX		MIN			
		لتتتا										
5		MAX		MIN			MAX		MIN			
		<u> </u>										
6		MAX		MIN			MAX		MIN			
		DISPOSITION	ON		INSPECTOR			DATE				
		ACCEPTE	:D			2592		3.24.14				

Page: 1 of 1



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

200 EA MS20615-3M3

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

S140515001C

ALLPAST FASTENING

53551

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15



P.O.Box 3166 - 15200 Don Julian Road City Of Industry, California 91745-1098 Phone (626)968-9388 - Fax (626)968-9393 www.allfastinc.com

CERTIFICATE OF CONFORMANCE

DATE: 06/06/2014

CERTIFICATION NUMBER: 000167707

CUSTOMER NAME: B/E AEROSPACE

NOMENCLATURE: Solid Rivet

PURCHASE ORDER: 0XET09

OUANTITY:

274 LB

PART NUMBER:

MS20615-3M3

REV: 5

SHIPPER NUMBER: 100295178460

DIMENSIONAL INSPECTION

RESULTS: ACCEPTABLE

SAMPLE SIZE: 6

LOT CONTROL NUMBER: \$140515001C

DATE OF MANUFACTURE: 04/29/2014

MATERIAL LOT NUMBER: \$310614

HEAT LOT NUMBER: 570062

MATERIAL VENDOR: CARPENTER TECHNOLOGY

MATERIAL TYPE: MONEL

PROCUREMENT SPECIFICATION: N/A

SHEAR STRENGTH REQUIRED:

49,000 PSI - 59,000 PSI

SHEAR TEST RESULTS:

1: 54,309 PSI

2: 53,624 PSI

3: 55,980 PSI

4: 55,796 PSI

5: 55,138 PSI

6: 55,943 PSI

7:

8:

10:

ASTM GRAIN SIZE #: N/A

DRIVEABILITY: ACCEPTABLE

FINISH:

N/A

COMMENTS:

ECCN #9A991.

The undersigned hereby certifies that the product(s) supplied herewith were manufactured and inspected in accordance with all applicable drawings and specifications, and conforms to all applicable government and/or customer requirements. All supporting documentation is on file and is available for review upon

The aforementioned items were manufactured by Allfast Fastening Systems, Inc at 15200 Don Julian Road, City of Industry, California 91745.

This certification shall not be reproduced, except in full, without written approval of Allfast Fastening Systems, Inc. Recording of false, fictious or fraudulent statements or entries on this document may be punished as a felony under federal law.

Country of origin: USA

B/E Aerospace, Inc. - Consumables Management Self Release

Signature and Stamp: 16-

Data: 6/5/2014

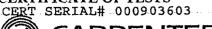
QUALITY ASSURANCE REPRESENTATIVE

Page 1 of 1

CERTIFICATE OF TESTS

ABNAHMEPRUÉFZEUGNIS

CERTIFICAT DE CONTROLE



12/12/13

JAN 0 6 2014

S310614



Carpenter Technology Corporation 101 West Bern Street, Reading, Pa. 19601 Tel: (610) 208-2000 (800) 338-4592

THE RECORDING OF FALSE. FICTICIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18. CHAPTER 47.

CHAPTER 47.

THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CAPPENTER ROBER NUMBER.

MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.

THIS DOCUMENT SHALL NOT BE REPRODUCED. EXCEPT IN FULL. WITHOUT THE WRITTEN CONSENT OF CAPPENTER TECHNOLOGY CORPORATION.

SELLER / VERKÄUFER / VENDEURPAGE 1 OF

CUSTOMER / BESTELLER / CLIENT

CARPENTER TECHNOLOGY CORP

ALLFAST FASTENING SYSTEMS INC. P.O. BOX 3166 CTY OF INDUSTRY, CA 91744

101 W. BERN STREET ,PA 19601 READING

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./Nº DE REFERENCE INTERNE	DATE/DATUM/DATE	WE IGHT/GENICHT/POIDS
118023-21	LOS627801 L28218	12/12/13	966.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE :

570062

PRODUCT DESCRIPTION: NICKEL COPPER ALLOY 400 ANNEALED COLD FINISH SEAM FREE C
HDG CL C3 PRECOAT/GREASE
PART NUMBER: M-303-3

SPECIFICATION: ALLFAST M-303 (DASH NO. -3) REV Q (05/30/12) EX (08/19/10) APPROVED QQ-N-281D AMD 2 (10/23/85) (CLASS A) AS 7233 (CHEM.ONLY) (04/24/92) (CHEMISTRY ONLY) ALLFAST POS-100 (06/ /09) AS 9100 REV C (01/ /09) DFARS 1998 EDITION ALLFAST Q-102 REV G (03/19/07) (DASH NO. -3) REV Q (05/30/12) EXCPT LTR

0.093000 IN.(2.36 MM) RD WIRE SIZE

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

NI (XRF) S (COM) P (OES) SI(XRF) MN (XRF) 65.63 AL(OES) TI(XRF) FE(XRF) CU(XRF) CO(XRF) SN(MS) 1.64 LT .001

PB(MS) ZN(MS) NI+CO LT .001 65.67

EACH LOT HAS BEEN SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH QQ-N-281D AMD 2 AND MEETS ALL SPECIFICATION REQUIREMENTS EXCEPT SIZE TOLERANCES.

MATERIAL SUPPLIED MEETS THE TECHNICAL REQUIREMENTS OF THE SPECIFICATION(S) NOTED ON THIS ORDER.

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES

SHEAR STRENGTH - 50.5 KSI RIVET TOOL SHEAR ASTM-B565 METHOD CONVERTED FROM DOUBLE RESTRAINED SHEAR

CONTINUED ON NEXT PAGE

CERTIFICATE OF TESTS CERT SERIAL# 000903603 **ABNAHMEPRUEFZEUGNIS**

CERTIFICAT DE CONTROLE

S310614

Carpenter Technology Corporation 101 West Bern Street, Reading, Pa. 19601 Tel: (610) 208-2000 (800) 338-4592

THE RECORDING OF FALSE, FICTICIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAM. TITLE 18. CHAPTER 47.

THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.

MATERIAL IS MANUFACTURED FREE FROM HERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.

THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT
OF CARPENTER TECHNOLOGY CORPORATION.

SFILFR/VERKÄUFER/VENDEURPAGE 2 OF

12/12/13 CUSTOMER / BESTELLER / CLIENT

ALLFAST FASTENING SYSTEMS INC. P.O. BOX 3166 P.O. BOX 3166 CTY OF INDUSTRY, CA 91744

CARPENTER TECHNOLOGY CORP

BERN STREET ,PA 19601 READING

CUSTOMER ORDER NO./BESTELL-NR./Nº DE COMMAN	IDE CA	ARPENTER NO./WERKS-NR./N° DE REFER	RENCE INTERNE	INTERNE DATE/DATUM/DATE		EWICHT/POIDS
118023-21	L	OS627801 L28218		12/12/1	3 9	66.000
HEAT NUMBER / SCHMELZE-NR. / N° DE CO	OULEE:	570062				
TENSILE AS SHIPPED, FLOAD VALUE:	KSI (MPA)	(COIL 1) 85.5(590) 591 LBS	(COI 83.0(574 LBS	L 2) 572) 8 5	(COIL 6.5(5 89 LBS	3) 96)
TENSILE AS SHIPPED, FLOAD VALUE:	KSI(MPA)	(COIL 4) 84.5(583) 574 LBS	(COI 86.0(586 LBS	L 5) 593) 8	(COIL 4.0(5 71 LBS	79}
TENSILE AS SHIPPED, I	KSI(MPA)	(COIL 7) 86.5(596) 590 LBS	(COIL 84.5(578 LBS	8) 583) 8 5	(COIL 6.0(5 90 LBS	9) 93)
TENSILE AS SHIPPED, I	KSI (MPA)	(COIL 10) 83.0(572) 570 LBS	(COI 82.0(567 LBS	L 11) 565) 8 5	(COIL 5.0(5 85 LBS	12) 86)
TENSILE AS SHIPPED, I	KSI(MPA)	(COIL 13) 84.0(579) 577 LBS	(COI 84.0(579 LBS		(COIL 4.5(5 83 LBS	15) 83)
LOAD VALUE:	KSI(MPA)	(COIL 16) 84.0(579) 576 LBS	(COI 85.0(578 LBS	5	(COIL 3.5(5 74 LBS	76)
MATERIAL HAS BEEN MELTED A COUNTRY TO DFARS REQUIREM COUNTRY 225.872.1, SUPERSI	AND MANUF ENTS 252. EDED BY D	ACTURED IN THE U. 225-7014 WITH AL FARS REQUIREMENT:	SA WHICH TERNATE S DFARS	IS A QU 1 FOR QU 252.225-	ALIFYIN ALIFYIN 7008 AN	G G D

252.225-7009. THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS OPERATIONS QUALITY PROGRAM MANUAL, REVISION 30 DATED 09/28/11.

CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2010 TO THE REQUIREMENTS OF ISO 9001:2008 APPROVAL CERTIFICATE 10-1385R BY PERFORMANCE REVIEW INSTITUTE. THIS CERTIFICATE OF TEST IS TYPE 3.1 PREPARED IN ACCORDANCE WITH EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS, AS DOCUMENTED IN THIS CERTIFICATE OF TESTS.

TEST METHODS ARE PER THE ASTM STANDARDS ON FILE AND IN EFFECT AT TIME OF ORDER ACCEPTANCE, STANDARD PRACTICES, OR AS AGREED UPON BETWEEN CARPENTER & CUSTOMER.

DANIELLE A MURPHY
ADMINISTRATOR - QUALITY
CARPENTER TECHNOLOGY CORPORATION M - 303 - 3

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.

Die vorliegende Zertifizierung ist nur für den in diesem Formular genansten Kunden güllig. Carpenter überninmi gegenüber Deitten keinerlei Haffung für die ausgebischen Daten oder Ze
Ce certificat est unsquement valable pour le client dont le nom est inprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER CUST REF# LOT-NUMBER MANUFACTURER CCODE MFR DATE EXP DATE

23 1 EA NAS1149D0663J X6816 ANILO INDUSTRIES 10630

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

ANILLO Industries, Inc.

2090 NORTH GLASSELL STREET, ORANGE, CA 92865-3391 USA PLEASE REMIT TO

P.O. BOX 5586 ORANGE, CA 92863-5586 USA (714)637-7000 (562)924-6632 FAX(714) 637-3022

ASSIGNATION ASSIGN

560278

Packing List & Certification

WE ACCEPT
VISA/MASTER/DISCOVER/AMEX

(SULL TO)	1	1100	SHIP IO	į.	- L			
B/E AEROSPACE	, INC.		B/E AEROSPACE,					
ATTN: ACCOUNT	S PAYABLE DEPT.		CONSUMABLES MANAGEMENT					
P.O. BOX 025263			9835 NW 14TH ST					
MIAMI, FL 33102-	5263		MIAMI,FL 33172					
DATE ORDER REC'D	ORDER NUMBER		INVOICE DATE	SHIPPED VIA	TERMS			
12/19/2011	1A1294			FEDXG 033101490	1% 10 DAYS, NET 30			
ITEM ORDER	ED SHIPPED		DESCRIPTION		NET WEIGHT			

337,940 NAS1149D0663J

REV 5 /LOT#X6816 /MIN/MAX /QCR:1,4,6,8,15,16 /AN960JD616

4 4 C F

ECCN: 9A991 Schedule B#: 7616.10.8000 COO: USNLR

We certify that: 1. item number 1 above is manufactured in accordance with the material and processing specifications of this order.

2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are on file and are available for examination on all Anillo manufactured parts. All claims for errors or shortages must be made within 10 days after receipt of goods. No good to be returned without written authorization. All claims for defective material must filed within 30 days of shipment to receive consideration. We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of the products sold, if claimed within the specified time limit above.

<< R.M.A.# REQUIRED FOR RETURNS >>

<< TO THE BEST OF OUR KNOWLEDGE, PARTS ARE MERCURY FREE >>

Certification

B/E Aerospace, Inc.
Consumable Management

Self Replace
Signature & Stamp:

Date: 2-14-10

BY Ben Omiduar

Ben Omidwar, Quality Assurance Manager

FI 4.03.05



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

200 EA CR3523-4-02

CUST REF#

LOT-NUMBER

URER CCODE MFR DATE EXP DATE

868955

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15



Cherry Aerospace



PACKING LIST

Order No: S0308976 Order Date: 08/24/07

Page:

Print Date: 09/26/07

Sold-To: 10015341

1224 East Warner Avenue

Post Office Box 2157 Santa Ana, CA 92707-0157

M&M AEROSPACE HARDWARE PO BOX 025263

MIAMI, FL 33102-5263

USA

D T

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L

0

Ship-To: 19000244

M&M AEROSPACE HARDWARE 10000 N.W. 15TH TERRACE MIAMI, FL 33172

P **USA**

Т

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Ι

Salesperson (s):110

Credit Terms: 1%10,30

1%10, Net 30

Purchase Order: 0BN778

Ship Via: YELLOW

FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0

IF OVER 150# SHIP WATKINS MOTOR LINE ACCOUNT# 018757 - DO NOT INSURE

DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS

DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

FASTENERS ECCN: 9A991d SCHEDULE B# 8803300010 TOOLS ECCN: EAR99 SCHEDULE B# 8467290095

<u>Ln</u>	Item Number	Site T Location	_ot/Serial		Oty Open Oty to Ship	UM	Promised Shipped	
1	CR3523-4-02 Customer Item: NAS9 * PART MEETS DFARS C * PREFERENCE FOR DON	LAUSE 252,225-	7014 ALT I Y METALS 86895329	TEST NOT	· · ·	EA	09/27/07	
	A ARTIN COURT BOOK CORRESION CONTRACTOR FOR	A1004	86895578	DON	10500.0		()	
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				100	23200.0		()	

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be avaliable for your inspection at any reasonable time.

Quality Assurance Representative

SIM NGUYEN





Final Inspection & Test Report Cherry Max® Rivet

1224 East Warner Avenue Santa Ana, CA 92707-0157

An ISO9001 and AS9100 registered company. OASIS #6111041606

Part Numbers	RevProc. Spec.	Rev		
CR3523-4-02	AB PS-CMR-3000	R		

Lot I.D. No.:

86895587

Lot Size:

24,000

MFG. Date:

September 25, 2007

ASSEMBLY DATA

TYPE	ID#	CERT#	MATERIAL	FINISH	LUBE
Rivet	86879838	A55879	QQ-N-281/MONEL	None	None
Stem	86867566	A55668	AMS5657 / 15-7PH	None	KG FA / MIL-L-46010, Type I
Collar	00000000	A54793	A-286 / AMS5731	Passivate per AMS2700	None

W.O. #: 5291258

Final Lube: None

MECHANICAL STRENGTH TES

İ_	INSTALLED SHEAR 651		TENSIC	ON	SPINDLE RE	TENTION	DISASSEMBLY	
MIN REQ'D			400		150		10	
SAMPLE SIZE	5	N/A	5	N/A	5	N/A	5	
SPECS	C-N	В	C-N	В	C-N	В	C-N	
RESULTS	991		691		289		83	
-	982	ļ	711		329		71	
į	993		728		265		97	
	972		733		287		90	
	957	1	710		282		41	
=CR N=NAS =MIL B=BAC OAD VALUES POUND							71	

METALLURGICAL AND OTHER RELATED TESTS/REQUIREMENT

PCS. ITEM STATUS PCS. ITEM

125 EXAMINATION PASS 20 INSTALLATION (Min and Max Grips)

Locking feature (missing collar/spindle) Spindle Protrusion/Recession

Roundness/Concentricity

Dimensional, ID Marks, Tool Marks/Nicks

Visual (grip/material code, ID)

Collar Protrusion

Blind Head Dia./Formation

Laps, seams, folds

Tightness in plate

Comments:

Blind Fastener
Meets NAS1687 (Revision 2) sheet take-up test requirements.

Cherry Aerospace certifies that the product tested above conforms to all referenced specifications listed and that the original data are available for review upon sufficient notice. Cherry Aerospace further certifies that the articles listed above have been manufactured and inspected in accordance with FAA TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Substitution of parts may only be done if acceptable to or approved by the FAA Administrator.

STATUS

PASS

not necessarily interchangeable with other aircraft fasteners approved under this TSO. Substitution of parts may only be done if acceptable to or approved the FAA Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.



1224 East Warner Avenue Santa Ana, CA 92707-0157



Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Customer Parts List

Lot I.D. No.:

86895587

Rev:

Customer Part Number

Rev

Proc. Spec.

Rev

NAS9307M-4-02

3

NAS1687

2

BROWN-PACIFIC, INCORPORATED

DX 3288 / SANTA FE SPRINGS / CALIFORNIA 90670 (562) 921-3471 • (562) 921-7012 px

MATERIAL TEST REPORT

		(562) 921-34	71 • (562)	921-7012 PAX	K							
FOB	_	HIP VIA		// Bar. 1	JOB.	NO		INVO	ĆE NO			
	_SFS	BP TRI	JCK						170955			
S H	CHERRY AER	OSBACELL	^		ORDE	R DATE	······································	THIS	MATERIAL INA	MANUF/	CTURED AN	D TESTED
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	GRADE	MILL NO.	HEAT NO.					• • • •		-		
4:1	M-400	09		5M7BR13			U.S.	3 00	10 m		3,111	
	CHEMICAL	ANALYSIS				Me	CHANICAL	PROPERTIES AN	D CAPARE ITY		11	
	C: 0.035	AL:	0.02	SHIPP	PED ·	TEMSILE, KSI		YIELD, KSI		% ELO	N.	
	MN: 0.99	TI:	0.02	PROPE	RTIES	*RA	79.0	1	58.5			
	P:	B:						HARDNESS		SHEAR	, KSI	
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TE: THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT ITEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE A FELONY UNDER FEDERAL STATUTE.

HUNTINGTON ALLOYS A Special Metals Company



FORKE 5 **HUNTINGTON, WEST VIRGINIA 25720** STERN U.S. CERTIFIED MATERIAL TEST REPORT No. 42042 THIS IS TO CERTIFY THAT ALL REQUIRED SAMPLINGS INSPECTIONS AND TESTS ROWN PACIFIC INC MANE SEES PERFORMED IN ACCORDANCE WITH THE ORDER AND SPECIFICATION PAGE REQUIREMENTS. THE TEST REPORT REPRESENTS THE ACTUAL ATTRIBUTES OF HA ORDER NOJITEM THE MATERIAL FURNISHED AND THE VALUES SHOWN ARE CONNECT AND TRUE Z 1 05/09/07 THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL COMPLIANCE WITH 400002678 1 ALL ORDER AND REPECTION REQUIREMENTS. WE HEREIT CERTIFY THAT THE INSPECTED BY MELOW FIGURES ARE IN ACCOMPANCE WITH THE SPECIFIED CONTRACT REQUIRE-10188 LBS MARK DROER NO. LEOWN PACIFIC INC CHARGE ORDER NO. HONEL 400LC .375 **QUALITY CERTIFICATION REPRESENTATIVE** MONEL 400LC .375 10 BOX 3288 RE ROD - COIL NOT FIN HOT DESCRIPTION RONEL ALLOY 400 IAMTA FE BPGS CA OF MATERIAL .3750 IN COIL UME: M04400 BROWN-PACIFIC 5-3001 REV 2-10-98\ US FED QQ-K-281D AM 2 CLASS A CHEN ONLY\SAE ANS 4730E CHEN ONLY/ QUALITY SYSTEM CERTIFICATION: ISO 9001:2000 (ABS-QE CERT. 30125); A55879 THE X OF MICKEL INCLUDES A SHALL AROUNT OF COBALT 09M85M7BR13 RABD NONE SIZE . IXPSI PSI QUANTITY KAT/LOT X 100 X 100 10. MELTING SOURCE: SHC-HA

DUMTRY OF ORIGIN: MELTED AND MANUFACTURED IN THE USA

E: THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT TEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE FELONY UNDER FEDERAL STATUTE

MOMN PACIFIC INC

IANTA PE SPGS CA 90670

O BOX BIGS

STERN U.S. FORKE S

HUNTINGTON ALLOYS A Special Metals Company HUNTINGTON, WEST VIRGINIA 25720



THIS IS TO CERTIFY THAT ALL RECORNED SAMPLINGS INSPECTIONS AND TESTS

IND IS TO CERTIFY THAT HELL RECORDED SHEETINGS RESPECTIONS AND TESTS HAVE BEEN PROFOUNDED IN ACCORDANGE WITH THE ORDER AND SPECTREATION RECURRENSHEETS. THE TEST REPORT REPORTED THE ACTUAL ATTRIUTES OF THE MATERIAL PRINCIPED AND THE YALLES SHOWN ARE CONNECT AND TRUE. THE MATERIAL DESCRIPED BY THIS CERTIFICITY IS IN THE COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS. WE HEREITY CERTIFY THAT THE

BELOW FIGURES ARE IN ACCOMPANCE WITH THE SPECIFED CONTRACT AFOLING.

CERTIFIED MATERIAL TEST REPORT ROWN PACIFIC INC 3639 E 8084 DR HA ORDER NOJITEM DATE ANTA PE SPGS CA 90670 400002678 1 05/09/07 QUANTITY NSPECTED BY

10188 LBS HA/SHC

CHARGE ORDER NO. RONEL 400LC .375

MARK ORDER NO. MONEL 400LC .375

No.

PAGE

2

42042

2

ΟF

QUALITY CERTIFICATION REPRESENTATIVE

DESCRIPTION ROWEL ALLOY 400 MR ROD - COIL NOT FIN NOT FIN HOT

MENICAL AMALYSIS AS REQUIRED FOR CARBON, SULFUR, NITROGEN OR CXYGEN IS PERFORMED BY COMBUSTION TECHNIQUES. L OTHER REPORTED ELEMENTS ARE ANALYZED BY X-RAY AND/OR ENISSION SPECIFOSCOPY."

FUALITY SYSTEM MEETS REQUIREMENTS OF DIRECTIVE 97/23/EC (PRESSURE EQUIPMENT DIRECTIVE), MEK 1, CHAPTER 4.3 PER ARS GROUP LTD CERTIFICATE GOS (EXPIRES AUGUST, 2008) AND IV CERTIFICATE 20674926 (EXPIRES MAY 2008)*

ITHORIZED QUALITY CERTIFICATION REPRESENTATIVES : P.D. CUSTER, M.A. RORRISON, P. WAUGH

A55879

09M85M7BR13

SEP 1 3 2007

CERT SERIAL# 000607714



101 West Bern Street, Reading, Pa. 19601 Tel: (619) 208-2000 (808) 338-4592

88/07/97 CUSTOMER / BESTELLER / CLIENT

CHERRY AEROSPACE LLC PO BOX 2157 1224 E WARNER SANTA ANA .CA 93 .CA 92707

- THE RECORDING OF FALSE, FICTICIONS OF FRAUDULENT STATEMENTS OR ENTRIES ON THIS GOCUMENT BAY BE PUNISMED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTE OF AMALY BY BAMPLES COLLECTED FROM THE TOTAL LOT. ORICINAL DATA RECORDS REPERENCE TO THE CAMPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERGURY, RADIUM, ALPMA AND GAMMA BOURCE CONTAMINATION THIS DOCUMENT SMALL NOT BE REPRODUCED. EXCEPT IN FULL, MITHOUT OF CAPPENTER TECHNOLOGY CORPORATION.

SELLER / VERKÄUFER / VENDEUR PAGE 1 OF CARPENTER TECHNOLOGY CORPRANCHO CUCAMONGA D.C. 8250 MILLIKEN AVE. RNCHO CUCAMONGA CA 91730

CUSTOMER ORDER NO JBESTELL-NR.N' DE COMMAN DE	CARPÉNTER NOWERKS-NRA/DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHTIGEWICHTIPOIDS
VPD083605	J L28504	08/02/07	
HEAT NUMBER / SCHMELZE-NR. / N' DE COU	LEE 551538		
PRODUCT DESCRIPTION: CARPENTER STRAND CU'S		FOR HEADING	SC2
	E M-84 REV Y (06/14/07) E 32/ /07) (CHEM ONLY)		
SIZE 0.104000 IN.(2.64 MM) R			
	ST METHOD IS SHOWN IN PA	RENTHESIS)	
0.07 (CDM) MN(XRF) 0.54 0	SI(XRF) P (XRF)	T . BB (COM)	CR (XRF)
7.28 (XRF) MD(XRF) 2.22 .I	AL(XRF) N (FUS) .20 0.042		
CAPABLE OF A SURFACE FINISH OF M	AX N7 (63 RA MAX).		
(T)RANSYERSE (L)ONGITUDINAL *YIELD STRENGTH (8.20 %) KSI(MP/ TENSILE STRENGTH KSI(MPA) ELONGATION IN .50".%	A) . 92 . 9 (793)	679) 198. 1172) 173.	2(745) 2(193)
*YEILD STRENGTH APPROVED BY CUSTO	OMER		
CAST ACCEPTABLE	•	•	1
MATERIAL PRODUCED ON THIS ORDER WATERIAL SUPPLIED COMPLIES WITH NO COMPLIES WITH NO COMPLIES WITH NO CARPENTER'S QUALITY MANAGEMENT SY THE RECUIREMENTS OF ISO 9001:2000 REVIEW INSTITUTE. CERTIFICATE OF STANDARD OF IN ACCORDANCE WITH THE PURCHASE OF IN ACCORDANCE WITH THE PURCHASE OF TH	VAS MELTED AND MANUFACTURE REQUIREMENTS OF DFARS (STEM WAS REGISTERED AS COMPANY OF THE PARED IN ACCOMPANY OF THE PARED IN	ED IN THE U 252.225.70 F SEPTEMBER -0540 BY FER ROANCE WITH EDUIREMENTS.	2 2004 TO FORMANCE PARAGRAPH TA ARE

VICKI L. CLAY MET RELEASE/REDUIREMENTS ANALYST CARPENTER TECHNOLOGY CORPORALISM



SPECIALTY METAL PRODUCTS DIVISION 21 TOELLES ROAD, P.O. BOX 5807, WALLINGFORD, CT 06492-7607

CERTIFICATE OF TESTS

CHERRY AEROSPACE LLC SOLD TO:

1224 EAST WARNER AVE PO BOX 2157

SANTA ANA

CA 92707-0157 SHIPPED TO:

CHERRY AEROSPACE LLC

1224 EAST WARNER AVE

SANTA ANA

CA

92705

MATERIAL DESCRIPTION.

A286

.011 P/M .0005 X

.066 P/M .001

P/N M-189-4 REV T

QQ-P-35

AMS 5731 /

PURCHASE ORDER NO: VPO49817

AMETEK ORDER NO:

10034588

SHIPPED:

MANUFACTURING NO:

W110529

ITEM NO:

TEXS66286-0110SS01

HEAT NO: 547979

OTY CERTIFIED:

165

CHEMICAL ANALYSIS (Wt %)

TO EVER	ine distrib	N. C.	Andrew Control	Logist				C. Tarkers V.	- 200
0.14	Sparen 13	0.007			0.04		10.454	0.14	14.39
distant de la constant T & BUT MAN TO ANY AND								4N	
0.13	BALANCE	4 - 1201 1			0.35	1.17		and the latest the second	7
Control of Market			a said aa.			America	A Character	Section 1	张 多红花 · · ·
24.44	A CONST	0.017		0.001		The second second	0.21	1 - Stabilization of	The state of the
Zer Ze						ZA PARA	WARRIER	Name of	2007 W AND
793.45° *** *** **	**	2.30	0.27			AND COMPANY OF THE PARTY.			State (et al. 1923)
California de			1		100				<u> </u>
					:	· · ·			

PHYSICAL PROPERTIES AS PROCESSED

Hardness

221.0 KNP

Tensile Strength **Yield Strength** (at .2% offset) Elongation

Bend Test Grain Size JUN 0 1 2007

MATERIAL IS DFARS COMPLIANT COUNTRY OF ORIGIN -USA, CARPENTER TECH

ALL INFORMATION GIVEN AND RECOMMENDATIONS MADE HEREIN ARE BASED UPON OUR RESEARCH AND ARE BELIEVED TO BE ACCURATE BUT NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, IS MADE WITH RESPECT THERETO OR WITH RESPECT TO THE INFRINGEMENT OF ANY PATENT. OUR PRODUCTS ARE SOLD ON THE UNDERSTANDING THAT THE USER IS SOLELY RESPONSIBLE FOR DETERMINING THEIR SUITABILITY FOR ANY PURPOSE. THIS INFORMATION IS NOT TO BE COPIED, USED IN EVIDENCE, RELEASED FOR PUBLICATION OR PUBLIC DISTRIBUTION WITHOUT WRITTEN PERMISSION FROM AMETEK, INC.

ISO 9001:2000 CERTIFIED



AMETEK

SPECIALTY METAL PRODUCTS

21 Toelles Road, P. O. Box 5807 Wallingford, CT 06492-7607 U. S. A. Telephone: 203-265-6731 Fax: 203-294-0196

Certificate of Compliance

то:	CHERRY AEROSPACE LLC	
Rega	rding:	
	Your P.O Number VP049817	
	Our Order Number 10034588	
	Mill Number(s) W110529	
	Heat Number(s) 547979	
	Customer Part No. M-189-4 REV T (if applicable)	
	Quantity (wt./pcs.) 211 161 / 12 Feels	11H 07. 2007
	Shipping Date 5 207	
	Spec./Dwg. # M-189-4 REV T AMS 5731 QQ-P-35 (if applicable)	
10 00	ereby certify that all items in the above shipment have been processed in compliance with applicable drawings, referenced specific	produced, inspected, and found ations, standards, and purchase

Control Doc: Cert of Compliance

order requirements. All documents utilized were to the revised level specified by the customer.

I M/WZ/WD CUSTOMER/BESTELLER/CLIENT

.CT 06492

CARPENTER TECHNOLOGY CORPALLENTOWN DISTRIBUTION CENTE

9784 COMMERCE CIRCLE KUTZTOWN PA 19530

CUSTOMER ORDER NO /BESTELL-NR.AY DE COMMAN DE	CARPENTER NOWERKS	NRM'DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHTIGEWICHTIPOIDS
37312	PHL7192	L35635	09/28/06	1012
HEAT NUMBER / SCHMELZE-NR. / N' DE COU	LEE 54797	q		
PRODUCT DESCRIPTION: CONSUMET AZ	286 COLD ET	NISH ANNEALED	TENSILE MIN	85.0 /
SPECIFICATION: AMETEK S66286-038 AMS 5731 REV K (AMS 5737 REV N)	30 S66286 R 8//01) CH 0//01) CH	EY 3 (11/22/99 EMISTRY ONLY () EXCPT LTR EXCEPT TI: 2 EXCEPT TI: 2	(04/19/06) (00-2.35)
2125 8'828888 IN' (8'89 WW) 8	D WIRE			
	ST METHOD :	IS SHOWN IN PA	RENTHESIS)	
	SI(XRF)	0.017	9.00(DES)	CR (XRF)
	CU(XRF)	2.14 CO(XRF)	AL(DES)	7I(OES)
0.27 (XRF) 0.007				
TENSILE AS SHIPPED. KSI(MPA	90.00	621)		
MATERIAL PRODUCED ON THIS ORDER OF THE COMPLIES OF THE COMPLIE	WAS MELTED THE REQUIRE	AND MANUFACTU	RED IN THE U	.Ş.A.
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3.1 OF EN 10204 (DIN 50049) WE IN ACCORDANCE WITH THE PURCHASE	HÉREDY CERT	TEY THAT THE PECIFICATION	ORDANCE WITH ABOVE TEST DA REQUIREMENTS	PARAGRAPH ATA ARE

KAY C. DANTZLER MET RELEASE/CERT PREPARER CARPENTER TECHNOLOGY CORPORATION

JUN 0 1 2007







P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

100 EA CR3213-4-04

CUST REF#

LOT-NUMBER 87579512 MANUFACTURER CCODE MFR DATE EXP DATE

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

T---- # 0 6/20 /15

Form 67 Rev 1.0



Cherry Aerospace 1224 East Warner Avenue

Post Office Box 2157



PACKING LIST

Order No: S0321668 Order Date: 04/29/08

Print Date: 12/13/11

Page:

Santa Ana, CA 92707-0157

10015341 Sold-To:

моно но	B/E AEROSPACE PO BOX 025263 MIAMI, FL 33102-5263 USA
---------	---

Ship-To: 19000244

B/E AEROSPACE INC C.M. H 10000 N.W. 15TH TERRACE I **MIAMI, FL 33172** P USA T 0

Salesperson (s):110

Credit Terms: Net 30

Net 30

Purchase Order: 0EZ588

Ship Via: FED NATIONAL

FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0 IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

TEST REPORTS ENCLOSED

DO NOT DESTROY

FASTENERS ECCN: 9A991d SCHEDULE B# 8803300010

TOOLS ECCN: EAR99 SCHEDULE B# 8467290095

	TOOLS ECCIVE EARSS SCI				
Ln	Item Number	Site T LocationLot/Serial	Qty Open Qty to Ship UM	Promised Shipped	
6	CR3213-4-04 Customer Item: M78	1600	EA	01/15/12	
	NIA 000004D 4 04				

NAS9301B-4-04 NAS9301BNS-4-04

*IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7014 ALT I *PREFERENCE FOR DOMESTIC SPECIALTY METALS 1 J. C. Lan (1961) (1963) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) A0202 87582678 12263.0 B0905 87579512 33184.0 34382.0 C0502 87581152 C0903 87577249 18192.0 17668 WILLIAM POLITICI WAS ALLA 1961 WAN POLITICA D0305 87577280 33307.0

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be avaliable for your inspection at any reasonable time.

Quality Assurance Representative

Signed

DAWN MILLER



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

30 EA 0S200M44S

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

082812

BREEZE CLAMPS

72588

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

THIS

IS AN ACKNOWLEDGEMENT THAT A BILL OF LADING HAS BEEN ISSUED AND IS NOT THE ORIGINAL BILL OF LADING, NOR A

PACKING LIST



MEMORANDUM	COPY OR DUPLICATE, COVERING THE PROPERTY NAMED HERE
	AND IS INTENDED SOLELY FOR FILING OR RECORD.
= 00 010000	FEDEX GROUND

VENDOR#:

600

NAME OF CARRIER	TEDEN GROOMS	DESCRIBED IN THE ORIGINAL BILL OF LADING
RECEIVED, SUBJECT TO THE CLASSIFICATIONS A	IND LAWPULLY FILED TARIFFS IN EFFECT ON THE DATE OF THE RECEIPT BY THE CA	RECENT A TRICE
	FROM: NORMA PENNSY	LVANIA, INC

AT SALTSBURG, INDIANA CO., PA 9/06/2012 FROM: INUKIVIA DBA: BREEZE INDUSTRIAL PRODUCTS PAGE: 1 $_{
m S}$ B/E AEROSPACE INC. SUBJECT TO SECTION 7 O PO BOX 025263 THE CARRIER SHALL NOT MAKE DELIVERY OF THIS SHIPMENT WITHOUT PAYMENT OF FREIGHT AND ALL OTHER CHARGES. L MIAMI, FL 33102-5263 BREEZE INDUSTRIAL PRODUCTS D FREIGHT: COLLECT T nanning grænd TRAILER#: O **CONSIGNED TO** THE AGREED OR DECLARED VALUE OF THE PROPERTY IS STATED MAIL OR STREET ADDRESS FOR PURPOSE OF NOTIFICATION ONLY TO BE NOT EXCEEDING B/E AEROSPACE INC. 9835 NW 14TH ST PER MIAMI, FL 33172 THIS SHIPMENT IS CORRECTLY DESCRIBED. CORRECT WEIGHT IS SUBJECT TO VERIFICATION BY ORIGIN INSPECTION BUREAU.

COLLECT ON DELIVERY \$ AND REMIT TO:			MADKEDA	ND LARELED, AND ARE	IN PROPER CO	LS ARE PROPERLY CLASS ONDITION FOR TRANSPOR NT OF TRANSPORTATION.	SIFIED, DESCRIBED, PACKAGED, TATION, ACCORDING TO THE
DATE ENTERED	FGT	TERR.	CUSTOMER NO.	SHIP VI A	01561	0431837216	
8/14/2012	N	0206	02755005	Section 1995 Acres 1995	FEDEX	GROUND	
QTY ORDERED(EA)	ITEM NO	DESCRIPT	ION	(5) (1) (1) (2) (2) (3) (4)	BREEZE NO	QTY SHIPPED(EA)	BALANCE ON ORDER(EA)
					DOTET E	DON LINE IT	EM

ALL PRODUCTS ARE MADE IN USA UNLESS SPECIFIED ON LINE ITEM

1 200 44 S 600 20044S/QS200M44S

324683 PO:OKFA94

Cert Conformance and Chem/Phys required with all orders Do not substitute Each item must ship complete NAS1922 sizes 275 and up, must have lot #011311 or later. Do Not OVERSHIP/UNDERSHIP - Ship Exact Quantities on Order.

CONTAINER DESCRIPTIONS 3 CARTONS	WEIGHT/FGT AMT 55 LBS .00	EMP# 542	PRODUCT DESCRIPTION/TOTAL QTY HOSE CLAMPS/CLASS 600	
	and the second second	9/06/12.	8:32:01	

BREEZE INDUSTRIAL PRODUCTS SHIPPER, PER PERMANENT POST-OFFICE ADDRESS OF SHIPPER: 3582 TUNNELTON ROAD 3ALTSBURG, PA 15681-9594

Driver Signature:



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191 Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

CUST REF#

LOT-NUMBER

CCODE MFR DATE EXP DATE

82

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15



25 DREXEL DR. PO BOX 250, BAY SHORE, NY 11706 ISO9001/AS9100 REGISTERED QUALITY SYSTEM

QUALITY CONTROL RECEIVING INSPECTION REPORT

PROGRAM KIT COMPONENT OR CHEMICALS OR STANDARD HARDWAR FOR STAND ALONE SALES ORDERS. PART IDENTIFICATION LABEL FOR SCANNING.

CERT CNY06092200101

ITEM M7885/2-4-01

LOT 86642883

POH PUR00NDE

BRANCH MJ

Vendor WESCO AIRCRAFT
Oty 9,200 Rev. D

Manf... CHERRY TEXTRON

Part #..... M7885/2-4-01

Lot ID..... 86642883

Manufacturer.. CHERRY TEXTRON

Qty this Lot.. 000009200

Doc Lev..... MCT

Rev..., D

Sample Size... 000000005

Inspector.... MJM Cert Date.... 09/22



CUSTOMER CODE:	hair 🖘 remain na phréigeanna

PROCESSED BY: X

MJZ

00100 R5642530

Wesco Aircraft Hardware Corp

Pack Slip # 1467538

27727 Avenue Scott: Valencia, CA 91355 PH: 661 / 775-7200 FAX: /

Packing Slip



Page No

1 of 3

Date -

9/14/2006 14:54:58

Order#

2318749 SO

Sold To: UFC Aerospace Corp.

25 Drexel Drive Bayshore NY 11706 Ship To: UFC Aerospace Corp.

25 Drexel Drive

Bayshore NY 11706

Ordered By: M NAGIR

Acct#:

105442 (0808)

Shipping Instructions: COL

Customer PO#: PUR00NDE

Salesperson: Miriam Fuster

Acct #:

105442 (0808)

Related SO/PO

Carrier United Parcel Service

Payment Terms

030 Net 30

* * * Quantities

ltm#

Shipped | Backordered UM

Item Number/Description

Cert Code

PromDt

##

1.000

30,000

EA *M7885/2-4-01

Cert-MfrCofC, TR, RM, PC

9/14/2006

BLINRIVMAX, PRT HD, PLATED AL/ST

Lot Qty

TSO/PMA

S/C # SC#: 27924125 86642883

Manufacturer

SC#: 27924123 86642882

SC#: 27924125 86642883

SC#: 27924123 86642882

Manufacturer Name Cherry Aerospace LLC Cherry Aerospace LLC Cherry Aerospace LLC

Cherry Aerospace LLC

TSO-C148 461 19200 TSQ-C148

8739 1600 TSO-C148 TSO-C148

Comments:

DO NOT USE RPS FOR SHIPPING **BAR CODING REQUIRED FOB ORIGIN UPS ACCT # 163502**

FREIGHT ACCOUNT NUMBER: 163502

SEP 1 9 REC'D

End of Comments

Total # Boxes

Total Weight



R5642530 00100

Wesco Aircraft Hardware Corp

Pack Slip # 1467538

27727 Avenue Scott; Valencia, CA 91355 PH: 661 / 775-7200 FAX: / Packing Slip

Page No

2 of 3

Date -

9/14/2006 14:54:58

Order#

2318749 SO

Sold To: UFC Aerospace Corp.

25 Drexel Drive

Bayshore NY 11706

Ship To: UFC Aerospace Corp.

25 Drexel Drive

Bayshore NY 11706

Ordered By: M NAGIR

Acct #:

105442 (0808)

Customer PO#: PUR00NDE

Salesperson: Miriam Fuster

Acct #:

105442 (0808)

Related SO/PO

Shipping Instructions: COL

Payment Terms

030 Net 30

Carrier United Parcel Service

* * * Quantities * * *

Shipped | Backordered UM

Item Number/Description

Cert Code

PromDt

Processed By: JEFFREYF

itm#



Pack Slip # 1467538

27727 Avenue Scott; Valencia, CA 91355

PH: 661 / 775-7200 FAX: /

Date - 9/14/2006 14:54:58

Page No 3 of 3

Order # 2318749 SO

Sold To: UFC Aerospace Corp.

25 Drexel Drive

Bayshore NY 11706

Ship To: UFC Aerospace Corp.

25 Drexel Drive

Bayshore NY 11706

Ordered By: M NAGIR

Payment Terms 030 Net 30

Acct #:

105442 (0808)

Customer PO#: PUR00NDE

Acct #:

105442 (0808)

Salesperson: Miriam Fuster

Certificate of Conformance:

Wesco Aircraft certifies that all products are of new manufacture. Documentation from the manufacturer certifies that the product meets all applicable Government, customer and/or manufacturer's specifications and requirements. Wesco certifies that the whole of the supplies detailed hereon have been received under cover of the Release Certificate quoted above and are in the same condition as when received. This documentation is maintained on file for 10 (ten) years and available upon request.

Signed:

Quality Assurance Department

We hereby notify you that no returns will be accepted without WESCO Returned Material Authorization number. Only lot traceable material will be accepted for return.



CHERRY AEROSPACE LLC



H

I

P

Т

PACKING LIST

Order No: S0294552

Page:

Order Date: 03/24/06

Print Date: 06/16/06



Sold-To: 15030003

1224 East Warner Avenue

Post Office Box 2157 Santa Ana, CA 92707-0157

೧೯೦೯	WESCO JIT-LTA USA
T O	

Ship-To: 19000377

WESCO AIRCRAFT HOWE CORP 27727 AVE SCOTT VALENCIA, CA 91355 USA

Salesperson (s):102

Credit Terms: 1%10,30

1%10, Net 30

Purchase Order: 521478

Ship Via: P/U

FOB: Origin - Collect

Remarks:

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/CAL to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL # 30114

		Site	Qty Open	Promised	
Ln	Item Number	T LocationLot/Serial	Oty to Ship Ul	и Shipped	
1	CR3213-4-01 Customer Item: N ASNA0078A401	1600 NAS9301B-4-01	EA	06/07/06	
	B0207005-4-01 M7885/2-4-01				
	NAS9301BNS-4-01 伽藍胡柳明風明明明明明明	EZ LINE 86638593	34400.0	()	
	CENTROLISM CONTROL MATERIAL CONTROL CO	EZ LINE 86642881	34700.0	()	
		EZ LINE 86642882	34000.0	()	
	JABACA FIN TING MAKALI TANDI MAR MIJU BATAN	EZ LINE 86642883	34100.0	()	

TEST REPORTS ENCLOSED DO NOT DESTROY

PARTS DELIVERED IN ACCORDANCE WITH THE STANDARD AMENDMENTS AS AGREED BY TAT/EADS

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

lepresentative Signed SIM NGUYEI

CHERRY®AEROSPACE LLC MADON

1224 East Warner Avenue Santa Ana, CA 92707-0157



Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company

Part Numbers Proc. Spec. Rev Rev CR3213-4-01 PS-CMR-3000 P

Lot I.D. No.: 86642883

35,000 Lot Size:

MFG. Date: June 13, 2006

** See 2nd Page for the Customer Parts

ASSEMBLY DATA

TYPE	ID#	CERT#	MATERIAL	FINISH	LUBE	
Rivet	86642883	A51158	QQ-A-430/5056	MIL-C-5541 CLEAR CL1A	None	
Stem	86626553	A51481	AM\$6322 / 8740ST	QQ-P-416/T2CL2/CAD PL	None	
Collar	00000000	A50617	A-286 / AMS5731	Passivate per AMS2700	None	

W.O. #: 5231004

Final Lube: None

229

	INSTALLED SHEAR		TENSION		SPINDLE RETENTION 125		DISASSEMBLY	
MIN REQ'D								10
SAMPLE SIZE	N/A	A N/A	N/A	N/A	5	8	N/A	5
SPECS	C-N-M	В	C-N-M	В	C-N-M	М	8	C-N-M
RESULTS					252	247		34
[248	233		61
į					245	232		63
!		1			261	238		35
j		1			254	242	1	33
CECR NENAS						260		
M=MIL B=BAC LOAD VALUES		1		l i		241		

METALLURGICAL AND OTHER RELATED TESTS/REQUIREMENTS

STATUS PCS. **STATUS EXAMINATION** PASS 20 INSTALLATION (Min and Max Grips) PAS8 125 Locking feature (missing collar/spindle) Spindle Protrusion/Recession Roundness/Concentricity Collar Protrusion

Dimensional, ID Marks, Tool Marks/Nick Blind Head Dia./Formation Visual (grip/material code, ID) Tightness in plate

Laps, seams, folds

Comments:

IN POUND

Blind Fastener

Cherry Aerospace LLC certifies that the product tested above conforms to the latest referenced specifications listed and that the original data are available for review upon sufficient notice. Cherry Aerospace LLC further certifies that the articles listed above have been manufactured and inspected in accordance with FAA TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft

This test report shall not be reproduced except in full, without the written approval of the laboratory.

The recording of false, fictilitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

Rev. Date: 6/13/2008

Insp. Control #: 336164

Tr. Rev:

Inspector I Reyes

Page 1 of 2

Q Code

V09

fasteners approved under this TSO. Substitution of parts may only be done if acceptable to or approved by the FAA Administrator.

Form No. 1141-10-75 Rev. B 11/24/03 CR03-0775

CHERRY'AEROSPACE LLC NADGAP

1224 East Warner Avenue Santa Ana, CA 92707-0157



An ISO9001 and AS9100 registered company

Customer Parts List

Rev	Proc. Spec.	Rev
3	NAS1686	3
P	MIL-R-7885	D2
P	NAS1686	3
P	PS-CMR-3000	P
D	MIL-R-7885	D2
D	NAS1686	3
D	PS-CMR-3000	P
D	MIL-R-7885	D2
3	NAS1686	3
	3 P P D D	3 NAS1686 P MIL-R-7885 P NAS1686 P PS-CMR-3000 D MIL-R-7885 D NAS1686 D PS-CMR-3000 D MIL-R-7885

Final Inspection & Test Report CherryMax® Rivet

Lot I.D. No.:

86642883

Rev:





Page 2 of 2

CERTIFIED INSPECTION REPORT AND TEST RESULTS

NICHOLS WIRE, INCORPORATED

1547 Helton Drive - Florence, AL 35630

SHIP TO:

TEXTRON FASTENING SYSTEMS - TAF VMI / CONSIGNMENT AGREEMENT

1224 EAST WARNER AVE SANTA ANA CA 92707-0157 SOLD TO:

TEXTRON FASTENING SYSTEMS - TAF

VMI / CONSIGNMENT AGREEMENT

1224 EAST WARNER AVE

SANTA ANA CA 92707-0157

CU	TOMER	PURCHAS	E ORDER 055354-			NW WOF		R NO. 413			56	eur	ma	Kin	Z
DES	CRIPTIO				056 H3	2 STEM					AUTH	IORIZE	D SIGNA	TURE	
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KAISER ALUMINUM

CERTIFIED TEST REPORT

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SOLD TO

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WORK ORDER 046206

CERTIFICATION HEAT NO. SA17005 _

SALES ORDER / RLS B16348 / 1

ISO 9001-2000 REGISTERED



MECHANICAL TESTING CERT # 911.01

TEXTRON AEROSPACE FASTENERS 1224 E. WARNER AVENUE SANTA ANA, CA 92705-5414 USA

.86′

.25 ′

.010 ′

CERT# 911.01 SHIPMENT DATE -QUANTITY CARRIERS LADING NO CUSTOMER PART CUSTOMER P.O. 00058168 04/17/2006 6,182 Lbs 5 M272-1040 VPO49939 SPECIFICATION C208740-101040D A-8740, AQ, SKFG, CHQ WIRE, SEAM & DECARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size:0.103/0.105 Specifications: AMS2301H, AMS6322M, MIL-S-6049A, AMEND1, ASTM-A-547, AMS-S-6049-A, M272-1040, REV. M N CERTIFICATION REQUIREMENTS Chemical Properties . 41 Czz Ni Cr Mo 31 Mn.

Physical Properties

.002 ′

.55 1

.50-

Cleanliness Mill Source Grain Size Jominy 1 Jominy 2 Jominy 3 Inclusions Macro Dong Bu J10-47 S2-R1-C2 GOOD F&S=0 J8=52 8.0 J5=54

.005 °

Country of Origin

S. Korea

Mechanical Properties

Results UNITS TEST 132.4 KSI Tensile Strength 112.8 KSI Yield Strength % Elongation % 60.5 % Reduction of Area % 28 HRC Rockwell Hardness C Scale .00 Decarb (Total) ln

.25 1

Merchandles covered by this invokes is warmened to be free from defects in workmanship or material bit not for any specific length of time, type or materials of services. No daim for allowance will be recognized unless presented in writing within 10 days time step receipd of material. Our maximum lability for any claim predicated upon defective merchandles is limited to replacement of it, or to repayment of the purchase price thereof, as we sheet. Material act to specific length or size cannot be refurned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by ecceptures of the merchandles covered by this trivides, agrees to the foregoing terms and conditions and shoes ser forth on the reverse interest of lates, forthcost or insultant statements or entries on this document they be purshed as a febrary under Federal stating Federal two, 'tiles 16, Chapter 47.'

PREPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.

White Tool, Inc., metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical isoting per ASTM A 370, Rockwall hardness per ASTM E 10, inclusion rating per ASTM E 45, decarbutzation performed see par IET 140.

The reported Chemical and Physical Properties are Meil Scurey results. Transcribed from mill certificates. HRR(6) are hardness results performed with a 1/16" seed bill. Unless otherwise specified, HRR and HRC results are conversions from ASTM ASTO pables 1 and 2. "Pleat results on conversions from ASTM ASTO pables 1 and 2. "Pleat results not conversed by a subconfination.

Material is free of mercury, radium, or alpha contamination.

900302 (v1.1)

page 1 of 1

Mike Martinez

16

QA Menager

04/17/2008

DATE



INSPECTION CERTIFICATE DONGE ·Head Office : D Certificate No : 80218078 A51481 time al leave AUG. 31, 2005 Pohang Works P/O No DCH-052/03 WIRE TECH Packing: P.P CLOTH Coston I COMMODITY & QUANTITY Mr. after Sec. 4,294 LBS SA17 **EAROLX** 6,500 AISI8740H SAPC LBS SALT 6.500 MM AMS 6322L, AMS 2801G MIL-STD-6049A ASTM A 674-00 ASTM # 381-01 8.591 TOTAL NON-METALLIC INCLUSI 2. CHEMICAL COMPOSITION(%) 55 50 25 86 10 3. PHYSICAL PROPERTY 80 8.0 XX 0 68.3 68.3 21.0 21.0 70.3 88.7 90 90 70.3 **86.7** Manager of Quality This is to certify that the commodity inthined hereunder has been duly inspected by our impaction department and up to the purchasers requirements. Assurance Team 1'Q - UA - 1123(312 × 203mm) 1994. L. S. Approval.

etta Sinta.

AMETEK

SPECIALTY METAL PRODUCTS 21 Toelles Road, P. O. Box 5807 Wallingford, CT 06492-7607 U. S. A. Telephone: 203-265-8731 Fax: 203-294-0196

Certificate of Compliance

TO:	TEXTRON AEROSPACE FASTENERS	
Regar	ding:	
	Your P.O Number <u>VPO49820</u>	
	Our Order Number 10017979	•
	Mill Number(s) MW108754	
	Heat Number(s) 545936	
	Customer Part No. M-189-44 (if applicable)	
	Quantity (wt./pcs.) 14 REELS 185 LBS.	Y. F. S.
	Shipping Date 12/01/2005	A 50617
	Spec./Dwg. # M-189 REV. R AM\$5731, OO-P-35 (if applicable)	CERTIFICATION
	(11 approarys)	DEC 1 5 2005

We hereby certify that all items in the above shipment have been produced, inspected, and found to be in compliance with applicable drawings, referenced specifications, standards, and purchase order requirements. All documents utilized were to the revised level specified by the customer.

_Title: QA MGA

MAC

Control Doc: Cert of Compliance

Rev S

Page 1 of 1

A STATE OF THE STA

61126-7360

CERTIFICATE OF TESTS

SPECIALTY METAL PRODUCTS DIVISION 21 TOELLES ROAD, P.O. BOX 5807, WALLINGFORD, CT 08492-7607

TEXTRON AFROSPACE FASTEN SOLD TO:

SANTA ANA OPERATIONS

PO BOX 7360

ROCKFORD

SUSPPED TO:

TEXTRON APROSPACE FASTEN

ILLA EAST WARNER AVENUE

SANTA ANA

CA 92705

MATERIAL DESCRIPTION

A286 STAINLESS STEEL

.0060 +/-.0005 X 0110 +/-.0005 X .0560 +/-.001

TEMPER ANNEALED 140-250 KNOOP

SPEC NO.M-189-44 REV R

AMS 5731

QQ-P-35

PURCHASE ORDER NO: MANUFACTURING NO: VPO49820 MWINETS4

AMETEK ORDER NO:

12/1/2005

(0017979

SHIPPED:

ITEM NO:

TEXS66286-01105501

545936

QTY CERTIFIED:

135

HEAT NO:

CHEMICAL ANALYSIS (WI %)

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1. 6363.	1 -								

PHYSICAL PROPERTIES AS PROCESSED

Hardness

204.0 KNP

Tensile Strength

105.9 KSI

Yield Strength (at .2% offset)

Closgation.

Bend Test

Grain Size

CERTIFICATION

DEC 1 5 2005



AMENDED CERTIFICATION 12-14-65

ISO 9001:2000 CERTIFIED

13

DEC-15-2005 08:12

WITKOUT WRITTEN PERMISSION FROM AMETEX, INC.

2032940196

ALL INFORMATION GIVEN AND RECOMMENDATIONS MADE HEREIN ARE BASED UPON OUR RESEARCH AND ARE BELIEVED TO BE ACCURATE BUT NO GUARANTEE, FITHER EXPRESSED OR IMPLIED. IS MADE WITH RESPECT THERETO OR WITH RESPECT TO THE INPRINCEMENT OF ANY

PATENT. OUR PRODUCTS ARE SOLD ON THE UNDERSTANDING THAY THE USER IS SOLECY RESPONSIBLE FOR DETERMINING THEIR SUITABILITY FOR ANY PURPOSE. THIS INFORMATION IS

NOT TO BE COPIED, USED IN EVIDENCE, RELEASED FOR PUBLICATION OR PUBLIC DISTRIBUTION

99%

P. 02 45

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS CERTIFICAT DE CONTROLE

CERT SERIAL# 888586774



08/01/05 CUSTOMER/BESTELLER/CLIENT

AMETEK JOHN SZOSTEK ZI TOELLES RD WALLINGFORD

.CT 06492

124 8.2.C

SELLER / VERKÄUFER / VENDEUR PAGE | OF SARENTER TESTRIBUTION CENTE 9784 COMMERCE CIRCLE KUTZTOWN PA 19530

CUSTOMER ORDER NO BESTELL-HRAY DE COMMAN DE	Carpenter noweroup newide reperênce interne	DATE/DATUM/DATE	WEIGHTIGEWICHTIPOIDS
36130	PHL6875 L39398	07/29/05	458.7
HEAT NUMBER / SCHMELZE-NR. / N. DE COU	LEE (545936)		

PRODUCT DESCRIPTION: CONSUMET AZBE COLD FINISH ANNEALED

SIZE 8.838080 IN.(0.96 MM) RD WIRE

PRIMARY HEAT CHEMISTRY (WTX): (TEST_METHOD IS SHOWN IN PARENTHESIS)

B. 13 (XRF) 0.043 (DES) 0.017 (OES) B.25

NI(XRF) MD(XRF)

0.17 0.12

0.874 (XRF) 0.874

TENSILE AS SHIPPED.

KSI (MPA)

CARPENTER'S OLIALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF SEPTEMBER? A 2004 TO THE RED THE BUTTER OF SEPTEMBER OF SEPTEM

NO COULET TO SAY DE PARTICIPATION CARPENTER TECHNOLOGY CORPORATION



DEC 1 5 2005 g





00100

Wesco Aircraft Hardware Corp

Pack Slip # 1467538

27727 Avenue Scott; Valencia, CA 91355 PH: 661 / 775-7200 FAX: /

Packing Slip



Page No

1 of 3

Date -

9/14/2006 14:54:58

Order#

2318749 SO

Sold To: UFC Aerospace Corp.

25 Drexel Drive Bayshore NY 11706 Ship To: UFC Aerospace Corp.

25 Drexel Drive

Bayshore NY 11706

Ordered By: M NAGIR

Shipping Instructions:

Acct#:

105442 (0808)

Customer PO#: PUR00NDE

Salesperson: Miriam Fuster

Acct #:

105442 (0808)

Related SO/PO

Carrier United Parcel Service

Payment Terms

030 Net 30

* * * Quantities * * *

ltm#

Shipped | Backordered UM

0

Item Number/Description

Cert Code

PromDt

1.000

30000

S/C #

EA * M7885/2-4-01

Cert-MfrCofC, TR, RM, PC

9/14/2006

Manufacturer's SC#: 27924125 86642883

SC#: 27924123 86642882

SC#: 27924125 86642883

SC#: 27924123 86642882

BLINRIVMAX, PRT HD, PLATED AL/ST

Manufacturer Name Cherry Aerospace LLC

Cherry Aerospace LLC

Cherry Aerospace LLC Cherry Aerospace LLC Lot Qty

461

TSO/PMA TSO-C148

TSO-C148 19200 8739 TSO-C148

TSO-C148 1600

Comments:

DO NOT USE RPS FOR SHIPPING BAR CODING REQUIRED **FOB ORIGIN UPS ACCT # 163502**

FREIGHT ACCOUNT NUMBER: 163502

SEP 1 9 REC'N

End of Comments

Total # Boxes

Total Weight



Pack Slip # 1467538

27727 Avenue Scott; Valencia, CA 91355

PH; 661 / 775-7200 FAX: /

Date - 9/14/2006 14:54:58

Page No 3 of 3

Order # 2318749 SO

Sold To: UFC Aerospace Corp.

25 Drexel Drive

Bayshore NY 11706

Ship To: UFC Aerospace Corp.

25 Drexel Drive

Bayshore NY 11706

Ordered By: M NAGIR

Payment Terms 030 Net 30

Acct#:

105442 (0808)

Customer PO#: PUR00NDE

Acct #:

105442 (0808)

Salesperson: Miriam Fuster

Certificate of Conformance:

Wesco Aircraft certifies that all products are of new manufacture. Documentation from the manufacturer certifies that the product meets all applicable Government, customer and/or manufacturer's specifications and requirements. Wesco certifies that the whole of the supplies detailed hereon have been received under cover of the Release Certificate quoted above and are in the same condition as when received. This documentation is maintained on file for 10 (ten) years and available upon request.

Signed: (

Quality Assurance Department

We hereby notify you that no returns will be accepted without WESCO Returned Material Authorization number. Only lot traceable material will be accepted for return.





USA



- PACKING LIST

Order No: S0294552

Order Date: 03/24/06

Page: 1

1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157 Print Date: 06/16/06

Sold-To: 15030003

!	SOLD	WESCO JIT-LTA USA
	TO	

Ship-To: 19000377

S WESCO AIRCRAFT HDWE CORP
27727 AVE SCOTT
VALENCIA, CA 91355
USA
T

Salesperson (s):102

Cradit Terms: 1%10,30

1%10, Net 30

Purchase Order: 521478

Ship Via: P/U

FOB: Origin - Collect

Remarks:

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/CAL to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL # 30114

	AIRBUS APPROVAL	# 30114				
		Site	Oty Open		Promised	l
Ln	Item Number	T LocationLot/Serial	Oty to Ship	<u>UM</u>	Shipped	
1	CR3213-4-01 Customer Item: ASNA0078A401 B0207005-4-01 M7885/2-4-01 NAS9301BNS-4-0	1600 NAS93018-4-01		EA	06/07/06	3
		EZ LINE 86638593				
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		EZ LINE 86642883	34000.0		()	
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TEST REPORTS ENCLOSED DO NOT DESTROY



PARTS DELIVERED
IN ACCORDANCE WITH THE
STANDARD AMENDMENTS
AS AGREED BY
TAF/ERDS

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our flies and will be available for your inspection at any reasonable time.

Signed SIM NGUYEN

•

CHERRY AEROSPACE LLC MADEA

1224 East Warner Avenue Santa Ana, CA 92707-0157

Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company

Rev Rev Proc. Spec. Part Numbers

Y PS-CMR-3000 CR3213-4-01

Lot I.D. No .: 86642882

35,000 Lot Size:

June 13, 2006 MFG. Date:

** See 2nd Page for the Customer Parts

ASSEMBLY DATA

TYPE	10#	CERT#	MATERIAL	FINISH	LUBE
Rivet	86642882	A51158	QQ-A-430/5056	MIL-C-5541 CLEAR CL1A	None
Stern	86623862	A51481	AMS6322 / 8740ST	QQ-P-416/T2CL2/CAD PL	None
Collar	00000000	A50617	A-286 / AMS5731	Passivate per AMS2700	None

P

Final Lube: None W.O. #: 5231003

MECHANICAL STRENG	TH TEST
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· · · · - 	INSTALLED S	HEAR	TENSIC	N	SPIN	VOLE RETENTION_		DISASSEMBLY
MIN REQ'D						125		10
SAMPLE SIZE	N/A	N/A	N/A	N/A	5	8	N/A	5
SPECS	C-N-M	В	C-N-M	В	C-N-M	М	В	C-N-M
RESULTS		1	~		150	193		37
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1 1		1	152	197		38
(1		}	152	204	ĺ	31
		1			149	206	1	45
1		1			134	210	1	40
=CR N=NAS		1				220	1	
N=MIL B=BAC						209	1	1
OAD VALUES		[[(189		

METALLURGICAL AND OTHER RELATED TESTS/REQUIREMENTS

STATUS PCS. ITEM **STATUS** PCS. PASS PASS INSTALLATION (Min and Max Grips) <u> 20</u> **EXAMINATION** 125

Locking feature (missing collar/spindle) Spindle Protrusion/Recession Roundness/Concentricity Coller Protrusion Blind Head Dia./Formation Dimensional, ID Marks, Tool Marks/Nick

Visual (grip/material code, ID) Tightness in plate

Laps, seams, folds

Comments:

(Blind Fastener



Q Code Tr. Rev: V09 Rev. Date: 6/13/2006 Inspector I Reyes Insp. Control #: 336171

Cherry Aerospace LLC certifies that the product tested above conforms to the latest referenced specifications listed and that the original data are available for review upon sufficient notice. Cherry Aerospace LLC further certifies that the articles listed above have been manufactured and inspected in accordance with FAA TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Substitution of parts may only be done if acceptable to or approved by the FAA Administrator.

This test report shall not be reproduced except in full, without the written approvel of the laboratory.

The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

Form No. 1141-10-75 Rev. B 11/24/03 CR03-0775

Page 1 of 2



CERTIFIED INSPECTION REPORT AND TEST RESULTS

NICHOLS WIRE, INCORPORATED

1547 Helton Drive - Florence, AL 35630

SHIP TO:

TEXTRON FASTENING SYSTEMS - TAF VMI / CONSIGNMENT AGREEMENT 1224 EAST WARNER AVE SANTA ANA CA 92707-0157 SOLD TO:

TEXTRON FASTENING SYSTEMS - TAF VMI / CONSIGNMENT AGREEMENT 1224 EAST WARNER AVE SANTA ANA CA 92707-0157

CUSTOM	MER F	PURCHAS	E ORDER	NO.		NW WO	RK ORDE	ER NO.			<1	_		11	7
			055354	-1			95	413		<u> </u>			ma		9
DESCRIP	OTT	1		,123	5056 H3	2 STEM							SIGNA		₹
FINISH										has bee	n inspecte	d in accor	aterial cov	, and has	been
CUSTOM	IER F	PART NO.			ALLOY	5056	TEMP	ER H3:		herein, i descript	including a tion, and th	iny specific nat sample	e requirem cations for is represer n limits and	ming a par itative of th	t of the
NW PAR	T NO	H123	A7				DATE	SHIPPE 02/24/2					n on this s		
WEIGHT	SHIP	PPED	2,092	lb											
						ULT	MATE		YIE	LD		SHEA	R	% ELON	GATION
LOT	r NUN	MBER	# OF			STRENC			STRENG			TRENGT			
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K540 I	USE	D FOR	5056												
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KAISER ALUMINUM & CHEMICAL CORPORATION

CERTIFIED TEST REPORT 600 MAISER DRIVE HEATH, OH 44056

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		U	Fa		81	Mn	Hg	- 2	n	cr		ners	Others	
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ALUMINUM REMAINDER 09-41-0147 Res. 67/65



SOLD TO

WORK ORDER 046206

CERTIFICATION

HEAT NO. SA17005 816348 / 1

ISO 9001-2000 REGISTERED



MECHANICAL TESTING **CERT # 911.01**

CERT# 911.01

TEXTRON AEROSPACE FASTENERS 1224 E. WARNER AVENUE SANTA ANA, CA 92705-5414 USA

SHIPMENT DATE -**CARRIERS LADING NO** QUANTITY CUSTOMER P.O. **CUSTOMER PART** D4/17/2008 00058168 M272-1040 6,182 Lbs 5 VPO49939 SPECIFICATION C208740-101040D A-8740, AQ, SKFG, CHQ WIRE, SEAM & DECARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size:0.103/0.105 Specifications: AMS2301H, AMS6322M, MIL-S-6049A, AMEND1, ASTM-A-547, AMS-S-6049-A, M272-1040, REV. M N **CERTIFICATION REQUIREMENTS** Chemical Properties Cr Ni Mo , 41 Si Mn P Cu .002 ′ .86′ .010′ .55 ~ .50-.25 1 .005 ° . 25 ' Physical Properties Grain Size Jominy 1 Jominy 2 Jominy 3 Inclusions Macro Cleanliness Mill Source Dong Bu J10=47 32-R1-C2 GOOD F£S=0 JB=52 8.0 J5=54 Country of Origin S. Korea

Mechanical Properties

Results 132.4 112.6 60.5

28 .00



Marchandse povered by this invoice is warranted to be free from detects in workmanship or meterial but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maintrum liability for any claim predicated upon detective marchandles is limited for replacement of it, or two repayment of the purchase price thereof, as we sleet. Meterial cut on specific length or size cannot be returned for credit and request for canopilation of such orders will not be considered it menutecture has been commenced. Buyer, by scoapiance of the merchandles covered by this trivolor, agrees to the foregoing terms and conditions and those set forth on the reverse that all. The recording of lates, fictious or insudulent statements or entries on this document may be punished as a failory under Federal statutes including Federal law. This 18, Chapter 47.

Wire Tech, Inc., metallurgical (abbretory is a coredited in the following test: chemical analysis per ASTM £ 416, mechanical testing per ASTM A 370, Reckwest hardness per ASTM E 18, metallurgical properties are NSTM & 5, describurisation deship per ASTM & 6, describurisation performed see per IFI 140.

The reported Chemical and Physical Properties are Mail Source results, Transcribed from mill certificates. HRB(5) are hardness essuits performed with a 1/18* see ball. Unless otherwise specified, HRB and source and properties are MSTM A370 tables 1 and 2. Feat seath not covered by our ourself Asta screeditation. Tests which have been undertaken by a subcontractor teberatory that is not scoreditate in not endorsed by 42LA or covered by Wire Tech, Inc. A2LA scoreditation.

Material is free of mercury, radium, or alpha contamination.

UNITS

KSI

KSI %

HRC

%

gto302 (v1.1)

TEST

Tensile Strength

% Reduction of Area

Rockwell Hardness C Scale

Yield Strength

% Elongation

Decarb (Total)

page 1 of 1

Mike Martinez



04/17/2008

DATE



INSPECTION CERTIFICATE

8078

31, 2005

-052/03

TECH

A51481

Packing: P.P CLOTH



DONGBU STEEL CO., LTD.

Head Office : Dongbu BLDG, 891-10, Daechi-Iking

Kenggam-Gu, SEOUL, KOREA

Phone: 82-2-3450-8455-8 FAX: 82-2-3450-8522

Pohang Works: 792-1, Goi-Dong, Nam-Gu, Pohang-City

Kyoungsengbug-Do, KOREA

Phone: 82-54-289-2141-5 FAX: 82-54-289-2146

SAPC AMS 2 49A -00	301G		,500 ,500	MM MM					2 4	2 2	4.2	94 LB 97 LB		A1700 A1700		50 54			7.0 2.0	43.8 47.7
-01 AL ==			 							 NON.	8.5 -META	91 LB	INCL	USIO	vs	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<u> </u>		
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54 55	50 60	25 25																	80.0 80.0	0.0
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			}		1.4	100	80							8.0	11	11		60		quires esuit

he commodity intlaned hereunder has been duly ction department and up to the purchasers requirements.

Manager of Quality Assurance Team

OR

DONGBU STEEL CO., LTD



AMETEK

SPECIALTY METAL PRODUCTS 21 Tgelles Road, P. O. Box 5807 Wallingford, CT 06492-7607 U. S. A. Telephone; 203-286-6731 Fax: 203-294-0196

Certificate of Compliance

TO:	TEXTRON AEROSPACE FASTENERS	
Regai	Vour P.O Number VPO49820 Our Order Number 10017979 Mill Number(s) MW108754 Heat Number(s) 545936 Customer Part No. M-189-44 (if applicable)	
	Quantity (wt./pcs.) 14 REELS 185 LBS. Shipping Date 12/01/2005 Spec /Dwg. # M-189 REV. R AMS5731, QQ-P-35 (if applicable)	T. F. S. A 5 0 6 1 7 RAW MATERIAL CERTIFICATION DEC 1 5 2005

order requirements. All documents utilized were to the revised level specified by the customer.

By: Wary Belle Kleupe Title: QA Mg.

We hereby certify that all items in the above shipment have been produced, inspected, and found to be in compliance with applicable drawings, referenced specifications, standards, and purchase

WAC TI

Control Doc: Cert of Compliance

Rev B

Page 1 of 1

EA &

CERTIFICATE OF TESTS

SPECIALTY METAL PRODUCTS DIVISION 21 TOELLES ROAD, P.O. BOX 5807, WALLINGFORD, CT 06492-7607

61126-7360

2032940196

TEXTRON AFROSPACE FASTEN SOLD TO:

SANTA ANA OPERATIONS

PO BOX 1360

ROCKFORD

SHIPPED TO:

TEXTRON AEROSPACE FASTEN

1224 BAST WARNER AVENUE

SANTA ANA

CA

92705

MATERIAL DESCRIPTION

A116 STAINLESS STEEL

300-44 0020, X 2000-14 0110, X 2000-14 0000

TEMPER ANNEALED 180-250 KNOOP

SPEC NO M-189-44 REV R

AMS 5731

OO-P-35

URCHAST	ORDERNO) ;
BO48818		

AMETEK ORDER NO:

10017979

SHIPPED:

12/1/2005

MANUFACTURING NO:

MWINE754

ITEM NO:

TEX\$66286-01105507

HEAT NO:

541936

QTY CERTIFIED:

125

CHEMICAL ANALYSIS (W: %)

". 31	S.As	. 13	1 die	' . F.t		5.65	. (!		200
8,27		0,0074		<u>;</u>	0.043			6,17	13.72
	1 ()	ln.	.(x	0.36	$\Delta M_{\rm to}$	M	V :		5,1
0.12	BALANCE				0.26	1.19			
Park I	2.02		aPL		1.50	" ×.	0.50	5.6	1.84
24.52		0.017		0,4604	}	,	0.13		
%/In	%1e	2511	F.,%	11,00	1.10	1.74	"aNh S I'v	15 N + 6 Cm	"./1-10
		2.20	£L0	İ					[
77 Citra	.83								
								1	

PHYSICAL PROPERTIES AS PROCESSED

Hardness

204.0 KNP 105.9 KSI

Tensile Strength

Vield Strength (at .2% offeet)

Eleagation Bend Test

Grain Size

CERTIFICATION

DEC 1 5 2005



AMENDED CERTIFICATION 12-14-05

ALL INFORMATION GIVEN AND RECOMMENDATIONS MADE HEREIN ARE BASED UPON OUR RESEARCH AND ARE BELIEVED TO BE ACCURATE BUT NO GUARANTEE. FITHER BYPRESSED OR IMPLIED, IS MADE WITH RESPECT THEREFOR WITH RESPECT TO THE INFRINCEMENT OF ANY PATENT. OUR PRODUCTS ARE SOLD ON THE UNDERSTANDING THAT THE USER IS SOLELY RESPONSIBLE POR DETERMINING THEIR SUITABILITY FOR ANY PURPOSE. THIS INFORMATION IS NOT TO BE COPIED, USED IN EVIDENCE, RELEASED FOR PUBLICATION OR PUBLIC DISTRIBUTION WITHOUT WRITTEN FERMISSION FROM AMETEK, INC.

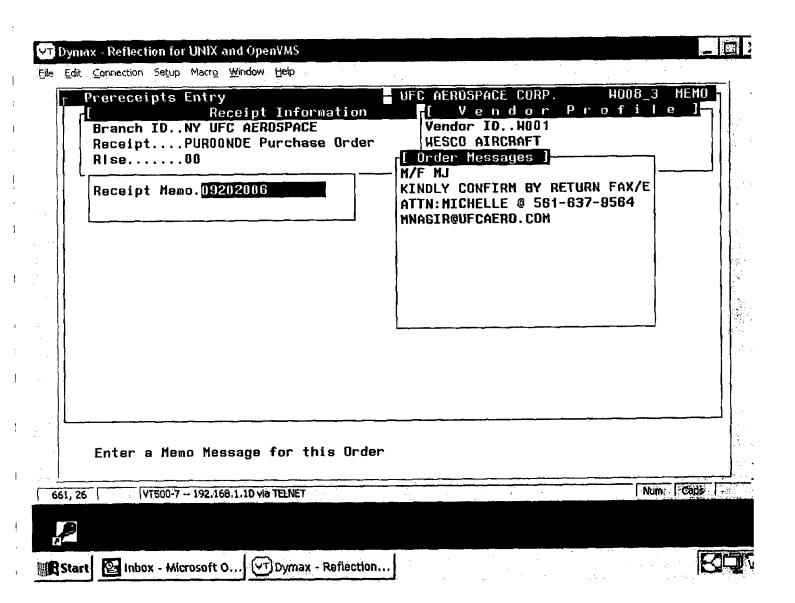
ISO 9001:2000 CERTIFIED

P.02

DEC-15-2005 08:12

2832940196

99%







Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER CUST REF# LOT-NUMBER MANUFACTURER CCODE MFR DATE EXP DATE

30 50 EA MS20470A5-4 71400-90 253018 P002 F001 AHG ATELIERS HAUTE-G F0095

Jason Lewis

Senior Director, Global Quality

Tnv # 01/20/15



ATELIERS DE LA HAUTE-GARONNE Ets AURIOL & Cie- S.A. au capital de 201850 EUR - Z.I. de FLOURENS BP73103 26 route de Lasbordes - 31130 FLOURENS (FRANCE)

Tél. (33) 5 61 83 60 35 - Fax (33) 5 61 83 95 05 - RCS TOULOUSE B 550 800 528 - SIRET 550 800 528 00014 - APE 2593Z

PACKING SLIP Nº

521005

of 5/04/2012 Supplier number : P/ 1

DB

Account Nº: 3969

File Nº:

UI 10

Your P.O. nbr. :

OANW25

of 2/08/2011

Our ack: 253018 of 3/08/2011 Invoice Nº: 521005 of 5/04/2012

V1088

Shipment to

Represent.: 08/MPSI

Coface Nº 285101298

Ordered by: **B/E AEROSPACE INC**

P.O. BOX 025263

B/E AEROSPACE INC 9835 NW 14TH ST (ORIGIN= FRANCE)

33172

MIAMI

cdessaux@ups.com

33102-5263

ETATS UNIS

Tél: 00 1

Fax: 001 305 507 7192

ETATS UNIS Tél: 001 305 925 2600 **MIAMI**

Fax: 001 305 507 7191

Pre-carriage by:

UPS SCS palette >300 kg Lundi

Number of packaging: Net weight:

1 54.887 Kg.

Gross weight:

65.000 Kg.

ITEM

ORDERED

PART NUMBER

QTY.SHIP.

SCHEDULED

04 MAY 2012

TO BE DELIV.

2

AIRCRAFT PARTS

Manufactured by AHG - NATO: F0095 - Origin: FRANCE

*Coating per: MIL-DTL-5541 CLASS 1A

125.000 Lb.

MS20470A5-4 (1)

no heat tr

121.000 Lb.

147290 Pcs**

159465 Pcs**

1100 univ.head

marked

chamfer

Alod.1200 MIL-C-5541 roll sorting NASM20470

Technical spec: NASM5674

Qty.:

66.000 Lb.

Lot nb 253018 P 002 F002

Lot nb 253018 P 002 F001

Qty.:

55.000 Lb.

D -16 APR 2 4 2012

KLX

Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

100 EA NAS388-6-8P

CUST REF#

LOT-NUMBER

R35415

MANUFACTURER CCODE MFR DATE EXP DATE

PILGRIM SCREW (RI) 4725

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15 ~

Form 67 Rev 1.0

PILGRIM

Screw Corporation

PACKING LIST

ARIZONA - 480-917-2500

SHIPPED FROM 259 DEXTER STREET and 120 SPRAGUE STREET PROVIDENCE, RI 02907

RHODE ISLAND - 401-274-4090

12/19/2014

BE

BILL TO: B/E AEROSPACE

CONSUMABLES MANAGEMENT

MIAMI FL 33102-5263 P.O. BOX 025263

SHIP TO: B/E AEROSPACE

CONSUMABLES MANAGEMENT

9835 NW 14TH STREET MIAMI, FL 33172

FedEx Ground

OUR ORDER # ORD120152

TERMS

EA

Net 30*DNI*033101490

FREIGHT SHIP VIA

SHIPPING DATE

12/19/2014

CUSTOMER PO#:

OTY

U/M PART# **DRAWING#**

C

NAS388-6-8P 6-32 X 1/2 PH OVL STL/NI **NAS388**

Revision:

NOT BEFORE

LOT#:

r35415 QTY: 5,000.00

pc#1400

1 CTNS. TOTAL WT. 11.00 LBS WITH 0 ON BACKORDER

MFR C OF C CHEM AND PHYS

RAW MATERIAL AND PROCESS CERTS

OLTY CODES: A, B, C, E, H, P, U, V

QAP 33 0 REV K 05-2-2014 CLAUSE A.3 GENERAL TERMS APPLIES

PILGRIM LATEST REV: PLEASE NOTIFY OF ANY NEWER REV

REQUESTS

SHIPPING INSTRUCTIONS:

NO OVERSHIPMENTS

IF UNDER 150 LBS SHIP FEDEX GROUND ACCT# 0331-0149-0 MARK:

COLLECT

IF OVER 150 LBS, SHIP FEDEX FREIGHT ECONOMY ACCT 300176860

CERTIFICATE OF COMPLIANCE

We hereby certify that all items delivered on this invoice comply with all applicable drawing, specification, and purchase order requirements. Evidence of such is on file for review for a minimum of 10 years. All products manufactured by Pilgrim Screw are of domestic origin and have not come in contact with mercury while in our possession. Also all special processes were performed by approved sources at the time of manufacture. Shortage claims must be made within (5) days after receipt of the goods. Quality claims must be made within (30) days after receipt of the goods. Returns will not be accepted without a 'Return Material Authorization' number. All goods returned must have the freight prepaid.

MADE IN THE USA

Authorized Rep.

Page# 1

TKLX

Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

58401

PAOLO ASTORI

A3856

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15



PAOLO ASTORI SPA

Via Mirabella, 9 - Maggiate Superiore 28013 Gattico (NO) - ITALY Tel. (+39) 0322 838847 Fax (+39) 0322 880198

Web: www.paoloastori.com



This is to certify that goods listed below have been inspected in our plant and are up to your orders and to the specifications of the drawings mentioned therein.

Country of origin is ITALY.

. CERTIFICATE OF CONFORMANCE

N° 7435

Date 08/08/2014

Pag. 1 / 1

Purchased by:

B/E AEROSPACE INC.CONSUMABLES MANAG 10000 NW 15TH TERRACE MIAMI - FL USA

Shipped to:

B/E AEROSPACE INC.CONSUMABLES MANAG 9835 NW 14TH ST.

0	_		33172 MIA	33172 MIAMI - FL_US					
Pos.	Part Number	Purchase Order	PO Date	Quantity	U.M.	Batch #	Cure Date		
1	MS21075-06N RELEASE W0170LZN66(Rev. REV2) - NAS1068X06L	0LZN66/3	14/12/2012	7090	N	58401	Expiry Date		
2	MS21075-06N RELEASE W0170LZN66(Rev. REV2) - NAS1068X06L	0LZN66/3	14/12/2012	10000	N	58401			
3	MS21075-06N RELEASE W0170LZN66(Rev. REV2) - NAS1068X06L	0LZN66/3	14/12/2012	11510	N	58401			
4	MS21075-06N RELEASE W0170LZN66(Rev. REV2) - NAS1068X06L	0LZN66/3	14/12/2012	11000	·N	58401	.		

SUPPLIES RELEASED IN ACCORDANCE WITH REQUIREM. OF BAE/AG/SC1 PAR 3- APPROVAL # BAE/AG/30631/MAA AND WITH AIRBUS SAS APPROVAL # 204788 Se sotto 150 lbs sped con fedex ground, account #0331-0149-0,mark:collect;se sopra 15 sped con fedex economy,account #018757

Airbus approval # 204788 - BAE Approval # BAE/AG/ Agusta-Westland Q500 approval # A/0047

AA - Complies with DFARS 252.225-7014.

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been mantained by the buyer. The seller manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, at seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoiced value of the parts in subject.

COMPANY WITH QUALITY MANAGEMENT = EN 9100:2003 =

Capitale Sociale € 120,000,00 int. vers. Cod. Fisc., Part. LV.A. e R.I. Novara 00111940037 R.E.A. Novara 48560 - Alho Imp-Exp NO 009081

PAOLO ASTORÍ SpA - Via Mirabella, 9 28013 MAGGIATE SUP. - GATTICO (NO) - ITALY Tel. +39 0322 838847 - Fax +39 0322 880198 www.paoloastori.com

Certificate of Test

Manufacturer:

Paolo Astori spa, Via Mirabella 9, 28013 Gattico (NO), ITALY

Report number:

388

Date performed:

2014-08-05

Inspector:

DEMETRIO, DALLA GASPERINA

Procurement spec:

NASM25027

NUT, SELF-LOCKING, 250F, 450F, AND 800F

Part code:

1OAD25A067M21

Part number:

MS21075-06N

Product standard:

MS21075 NASM21075

Revision level:

NUT, SELF-LOCKING, PLATE, TWO LUG, FLOATING, REDUCED RIVET SPACING, LOW HE

see certificate of conformity

Batch number:

58401

Batch quantity:

49000

Manufacturing date:

2014-07-31

Additional cross-references:

MS21075-06 / NAS1068RX06L / NAS1068X06L

Customer:

see certificate of conformity

Purchase order:

see certificate of conformity

Quantity delivered:

see certificate of conformity

Statement of Conformity

This is to certify that parts have been produced, controlled and quality assured according to the requirements of the applicable specification requested by the purchase order and/or the applicable standard drawing. Material, heat and surface treatements and manufacturing processes are the same as those used for the qualification approval. Samples for testing have been randomly selected from the production batch covered by this document. Country of origin is Italy. Unless otherwise stated, all special processes have been undertaken by Paolo Astori. This report shall not be reproduced except in full, without the written approval of Paolo Astori spa.

2 **Disclaimer**

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The seller's manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, at seller option, and in no case is to exceed the invoiced value of such goods. Under no circumstances will seller be liable for damages or costs incurred by buyer or subsequent user beyond the invoice value of the parts in subject.

Batch # 58401

COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY DAV = EN 9100:2003 = Capitale Sociale € 120.000.00 int. vers. Cod. Fisc., Part. I.V.A. e R.I. Novara 001.11940037 R.E.A. Novara 48560 - Albo Imp-Exp NO 009081

PAOLO ASTORI SpA - Via Mirabella, 9 28013 MAGGIATE SUP. - GATTICO (NO) - ITALY Tel. +39 0322 838847 - Fax +39 0322 880198 www.paoloastori.com

3 Components and raw materials

Component name	Component batch	Material batch	Heath	Material spec
BASKET	56903	-3016	000B1567	SAE1042 (MEQU13/01C)
NUT	58400	-2997	9564	SAE1042 (MEQU13/01C)

4 Finishing

Component name	Process	Specification
BASKET NUT	CAD PLATING CAD PLATING	AMS-QQ-P-416C AMS-QQ-P-416C

5 Hardness

Component name	min hardness	max hardness	avg hardness
BASKET	79.90 HR15N	80.40 HR15N	80.17 HR15N
NUT	80.90 HR15N	82.50 HR15N	81.67 HR15N

6 Final inspection measurements

6.1 SELF LOCKING DEVICE EXAMINATION

Unit of measure: ATTR

OK	OK	ОК	OK	ОК	ОК	ОК	ОК	ОК	ОК
						ОК			
OK	OK	OK	OK	ОК	ОК	ОК	ОК	ОК	ОК
OK	OK								

Number of samples tested: 32

6.2 THREAD FIT

Unit of measure: ATTR

ОК	ОК	ОК	ОК	ОК	ОК	ОК	OK	ОК	ОК
ОК	ОК	OK					·····		

Number of samples tested: 13

Batch # 58401

COMPANY WITH QUALITY MANAGEMENT SYSTEM CEATHED BY DAY = EN 9100:2003 =

Capitale Sociale € 120,000,00 int. vers. Cod. Fisc., Part. I.V.A. e.R.I. Novara 00111940037 R.E.A. Novara 48560 - Albo Imp-Exp NO 009081

PAOLO ASTORI SpA - Via Mirabella, 9 28013 MAGGIATE SUP. - GATTICO (NO) - ITALY Tel. +39 0322 838847 - Fax +39 0322 880198 www.paoloastori.com

6.3 BEARING SURFACE SQUARENESS

Unit of measure: mm (inch)

0.05 (<i>0.0020</i>)	0.04 (<i>0.0016</i>)	0.04 (0.0016)	0.04 (0.0016)	0.03 (0.0012)	0.04 (<i>0.0016</i>)	0.05 (<i>0.0020</i>)	0.04	0.04	0.04	
0.03 (<i>0.0012</i>)	0.05 (<i>0.0020</i>)	0.04 (<i>0.0016</i>)			(0.0010)	(0.0020)	(0.0016)	(0.0016)	(0.0016)	

Number of samples tested: 13

	Min	Max	Avg
Allowed:	- (-)	0.10 (<i>0.0039</i>)	
Found:	0.03 (<i>0.0012</i>)	0.05 (<i>0.0020</i>)	0.04 (0.0016)

6.4 SURFACE FINISH, PLATING OR SURFACE TREATMENT

Unit of measure: ATTR

ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	OK
OK	ОК	OK							

Number of samples tested: 13

6.5 RIVET HOLE LOCATION AND ALIGNEMENT

Unit of measure: mm (inch)

11.10 (<i>0.4370</i>)	11.12 (<i>0.4378</i>)	11.10 (<i>0.4370</i>)	11.12 (<i>0.4378</i>)	11.11 (0.4374)
11.11 (<i>0.4374</i>)	11.12 (<i>0.4378</i>)	11.10 (<i>0.4370</i>)	11.11 (0.4374)	11.11 (0.4374)
11.11 (<i>0.4374</i>)	11.12 (<i>0.4378</i>)	11.12 (0.4378)		

	Min	Max	Avg	
Allowed:	11.05 (<i>0.4350</i>)	11.15 (<i>0.4390</i>)		
Found:	11.10 (<i>0.4370</i>)	11.12 (<i>0.4378</i>)	11.11 (0.4375)	

COMPANY WITH QUALITY MANAGEMENT SYSTEM CEXTIFIED BY DNY = EN. 9100:2003 = Capitate Sociale € 120,060,00 int. vers. Cod. Fisc., Part. I.V.A. e R.I. Novara 00111940037 R.E.A. Novara 48560 - Albo Imp-Exp NO 009081

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6.6 HEIGHT OF NUT

Unit of measure: mm (inch)

4.13	4.05	4.09	4.11	4.07
(<i>0.1626</i>)	(<i>0.1594</i>)	(<i>0.1610</i>)	(0.1618)	(0.1602)
4.08	4.13	4.05	4.06	4.08
(<i>0.1606</i>)	(<i>0.1626</i>)	(0.1594)	(0.1598)	(0.1606)
4.10 (<i>0.1614</i>)	4.10 (0.1614)	4.12 (0.1622)		

Number of samples tested: 13

	Min	Max	Avg
Allowed:	(-)	4.34 (<i>0.1709</i>)	
Found:	4.05 (<i>0.1594</i>)	4.13 (0.1626)	4.09 (0.1610)

6.7 LOOSE OR HANGING BURRS

Unit of measure: AFTR

OK	OK	OK	OK	OK	OK	ОК	ОК	OK	ОК
OK									

Number of samples tested: 13

6.8 ALL OTHER DIMENSIONAL CHARACTERISTICS NOT COVERED

Unit of measure: ATTR

OK OK OK OK

Number of samples tested: 5

6.9 AXIAL TENSILE STRENGTH

Unit of measure: N (Ibf)

			•	
5950.00	5300.00	5500.00	5750.00	5650.00
(<i>1337.6132</i>)	(<i>1191.4874</i>)	(<i>1236.4492</i>)	(<i>1292.6514</i>)	(<i>1270.1705</i>)
5300.00	5400.00	5800.00	5900.00	5700.00
(1191.4874)	(<i>1213.9683</i>)	(<i>1303.8919</i>)	(<i>1326.3728</i>)	(1281.4110)

	Min	Max	Avg
Allowed:	5028.00 (<i>1130.3394</i>)	- (-)	
Found:	5300.00 (<i>1191.4874</i>)	5950.00 (<i>1337.6132</i>)	5625.00 (<i>1264.5503</i>)

COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY DAY = EN 9100:2003 =

Capitale Sociale € 120.000,00 int. vers. Cod. Fisc.. Part. I-V.A. e R.I. Novara 00111940037 R.E.A. Novara 48560 - Albo Imp-Exp NO 009081

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6.10 MAX LOCKING TORQUE 1st CYCLE

Unit of measure: Nm (Ibf-in)

0.54	0.56	0.58	0.56	0.52	0.50				
(4.7794)	(4.9564)	(5.1334)	(4.9564)	(4.6024)	(4. <i>9564</i>)	0.54 (<i>4.7794</i>)	0.58 (5.1334)	0.56	0.50
							(0004)	(4.3004)	(4.4254)

Number of samples tested: 10

	Min	Max	Avg
Allowed:	- (-)	1.13 (<i>10.0013</i>)	
Found:	0.50 (<i>4.4254</i>)	0.58 (5.1334)	0.55 (4.8679)

6.11 MAX LOCKING TORQUE 7th CYCLE

Unit of measure: Nm (Ibf-in)

0.36	0.38	0.40	0.00							
(3.1863)	(3.3633)	(3.5403)	0.38 (<i>3.3633</i>)	0.34 (3.0093)	0.38	0.36	0.40	0.38	0.32	
				(0.0000)	(3.3633)	(3.1863)	(3.5403)	(3.3633)	(28322)	

Number of samples tested: 10

	Min	Max	Avg
Allowed:	- (-)	1.13 (<i>10.0013</i>)	
Found:	0.32 (<i>2.8322</i>)	0.40 (3.5403)	0.37 (<i>3.2748</i>)

6.12 MAX LOCKING TORQUE 15th CYCLE

Unit of measure: Nm (Ibf-in)

0.24	0.26	0.28	0.26	0.00					
(2.1242)	(2.3012)	(2.4782)	(23012)	(1.0470)	0.26	0.24	0.28	0.26	0.20
		(=:::, 0=)	(2.0012)	(1.9472)	(2.3012)	(2.1242)	(2.4782)	(2.3012)	(1 7701)

·	Min	Max	Avg
Allowed:	- (-)	1.13 (<i>10.0013</i>)	
Found:	0.20 (1.7701)	0.28 (<i>2.4782</i>)	0.25 (<i>2.2127</i>)

COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV == EN 9100;2003 == Capitate Sociale € 120,060,00 int. vers. Cod. Fisc., Part. i.V.A. e 9:1. Novara 0011 1940037 R.E.A. Novara 48560 - Albo Imp.Exp NO 009081

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6.13 MIN.BREAKAWAY TORQUE 1st CYCLE

Unit of measure: Nm (Ibf-in)

0.46	0.48	0.50	0.48	0.44	0.48	0.46	0.50	0.48	0.42
(<i>4.0713</i>)	(4.2484)	(4.4254)	(4.2484)	(3.8943)	(4.2484)	(4.0713)	(4.4254)	(4.2484)	(3.7173)

Number of samples tested: 10

	Min	Max	Avg
Allowed:	0.11 (1.0001)	(-)	
Found:	0.42 (<i>3.7173</i>)	0.50 (<i>4.4254</i>)	0.47 (4.1599)

6.14 MIN.BREAKAWAY TORQUE 7th CYCLE

Unit of measure: Nm (Ibf-in)

0.24	0.00	A 20	0.00	^ ^	0.00	0.04	0.00	0.00	0.00
0.34	0.36	0.38	0.30	0.32	0.36	0.34	0.38	0.36	0.30
10 0000	(0.1000)	(0.000)	10 1000	100000	10 1000			4 = 7 = = = 1	
(3 0093)	(3.1863)	(3.3633)	(3.1863)	12 83221	(3.1863)	- <i>(3 กก</i> ดว)	13 3633\	(3 1863)	12 65521
(0.0000)	(0.7000)	(0.0000)	(0.1000)	(2.0022)	(0.7000)	(0.0000)	(0.0000)	(0.7000)	(2.0002)

Number of samples tested: 10

	Min	Max	Avg
	0.11	. •	
Allowed:	(1.0001)	(-)	
Found:	0.30 (<i>2.6552</i>)	0.38 (<i>3.3633</i>)	0.35 (<i>3.0978</i>)

6.15 MIN.BREAKAWAY TORQUE 15th CYCLE

Unit of measure: Nm (Ibf-in)

0.22	0.24	0.26	0.24	0.20	0.24	0.22	0.26	0.24	0.18
(1.9472)	(2.1242)	(2.3012)	(2.1242)	(1.7701)	(2.1242)	(1.9472)	(2.3012)	(2.1242)	(1.5931)

	Min	Max	Avg
Allowed:	0.11 (1.0001)	(-)	
Found:	0.18 (<i>1.5931</i>)	0.26 (<i>2.3012</i>)	0.23 (<i>2.0357</i>)

COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY DRV = EN 9100:2003 =

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6.16 TORQUE-OUT

Unit of measure: Nm (Ibf-in)

3.39	3.39	3.39	3.39	3.39
(<i>30.0040</i>)	(<i>30.0040</i>)	(<i>30.0040</i>)	(<i>30.0040</i>)	(<i>30.0040</i>)
3.39	3.39	3.39	3.39	3.39
(<i>30.0040</i>)	(<i>30.0040</i>)	(<i>30.0040</i>)	(<i>30.0040</i>)	(<i>30.0040</i>)

Number of samples tested: 10

	Min	Max	Avg
Allowed:	3.39 (<i>30.0040</i>)	(-)	
Found:	3.39 (<i>30.0040</i>)	3.39 (<i>30.0040</i>)	3.39 (<i>30.0040</i>)

6.17 PUSH-OUT

Unit of measure: N (lbf)

343.00	304.00	333.00	304.00	314.00
(<i>77.1095</i>)	(<i>68.3419</i>)	(<i>74.8614</i>)	(<i>68.3419</i>)	(<i>70.5900</i>)
343.00	294.00	314.00	314.00	324.00
(77.1095)	(<i>66.0938</i>)	(<i>70.5900</i>)	(<i>70.5900</i>)	(<i>72.8381</i>)

Number of samples tested: 10

	Min	Max	Avg
Allowed:	267.00 (<i>60.0240</i>)	- (-)	:
Found:	294.00 (<i>66.0938</i>)	343.00 (<i>77.1095</i>)	318.70 (<i>71.6466</i>)

6.18 DISCONTINUITIES

Unit of measure: ATTR

ОК	ОК	OK	ОК	ОК	ОК	OK	OK	ОК	OK
ОК	ОК	OK	ОК	ОК	OK	ОК	OK	OK	OK
OK	ОК	ОК	ОК	ОК	ОК	ОК	OK	OK	OK
ОК	ОК								

Number of samples tested: 32

6.19 23-HOURS STRESS EMBRITTMENT

Unit of measure: ATTR

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GIUSEPPE & F. LLI BONAITI S. p. A.

NASTRO E FILO DI ACCIAIO

Sede legale e amministrativa:
Piazza Vardi, 3/A
23801 CALOLZIOCORTE (LC)
tel. 0341 633080 fax 0341 639081
internet: www.bonaitligiuseppe.it
e-mail: info@bonaitligiuseppe.it

CERTIFICATO DI CONTROLLO

Nr del 11902 17/12/12

(Tipo 3.1 secondo norma EN 10204:2004)

Spett.

PAOLO ASTORI SPA VIA MIRABELLA 9 28013 MAGGIATE SUPERIORE NO Vs.Ord. 21637 del 09/11/12 Ns.Con. 32/002122-01 del 12/11/12 DDT N. 5330 del | }. {2.{2

PRODOTTO

Cod.

MASTRO SAE1042 MM.18,0 X 0,60

RISULTATI PROVE

FOGLIO DI LAVORAZIONE

FDL LA 2012 004602

Dogumento M.

2441 del 10/12/12

Prova N. 001
RESISTENZA A TRAZIONE N/MM2 494
ALLUNGAMENTO % A80MM. 30,20
CARICO UNIT.SCOST.PROP. RPO.2 343,00
Prova N. 002
RESISTENZA A TRAZIONE N/MM2 511
ALLUNGAMENTO % A80MM. 27,37
CARICO UNIT.SCOST.PROP. RPO.2 345,00

PAOLO ASTORI SPA - 3 0 1 6] RAW MATERIAL LOT

Certifichiamo che il prodotto è conforme alle richieste della conferma d'ordine.

LABORATORIO PROVE

U. Dhar

ANALISI COLATA

(Verifica effettuata dal fornitore materia prima)

Colsts 080B1567 L. 37894/004. E

C Mn Si P S Al Cr Cu Mi

0,446 0,670 0,260 0,011 0,001 0,028 0,220 0,012 0,042

05/5 REV.2



PAOLO ASTORI SPA

2 2 9 9 7

RAW MATERIAL LOT

Friedr. Gustav Theis Kaltwaltoverke GmbH Postfach 5452 58093 Hagan

	VIA I	MIRAB	ELLA, S	•	RIORI	Zeugnis-Nr./Certificate No./No. du certificat: Z37515 Ihre Bestell-Nr./Order-No./No de commande: N° 21292 HS-Nr.: 722												-		.: 2100	93									
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Page: 1 of

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

100 EA CR3213-4-05

CUST REF#

LOT-NUMBER

MANUFACTURER CCODE MFR DATE EXP DATE

8760373

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Form 67 Rev 1.0





PACKING LIST

Cherry Aerospace 1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157

Order No: S0321684 Order Date: 04/29/08 Print Date: 03/17/12

Page:



Sold-To: 10015341

B/E AEROSPACE PO BOX 025263 MIAMI, FL 33102-5263

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Ship-To: 19000244

B/E AEROSPACE INC C.M. Η 10000 N.W. 15TH TERRACE I MIAMI, FL 33172

P T

USA

Purchase Order: 0EZ593

Ship Via: YRC

FOB: Origin - Collect

Salesperson (s):110 Credit Terms: Net 30

Net 30

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0 IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS

DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

test reports enclosed

FASTENERS ECCN: 9A991d SCHEDULE B# 8803300010

TOOLS ECCN: EAR99 SCHEDULE B# 8467290095

DO NOT DESTROY

EΑ

Promised Qty Open Shipped T LocationLot/Serial Qty to Ship UM Item Number Ln

Customer Item: S2906-4-5

NAS9301BNS-4-05 NAS9301B-4-05

M7885/2-4-05

CR3213-4-05

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* IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7014 ALT I

1600

1600

* PREFERENCE FOR DOMESTIC SPECIALTY METALS

10089.0 B0503 87603275 33358.0 C0103 87605571 D0204 87604343 4900.0

CR3213-4-05 Customer Item: S2906-4-5

NAS9301BNS-4-05

04/15/12 EA

04/15/12

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be avaliable for your inspection at any reasonable time.

Quality Assurance Representative

SIM NGUYEN





Cherry Aerospace

1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157

Sold-To: 10015341

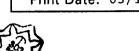
H 0 L 0 E	B/E AEROSPACE PO BOX 025263 MIAMI, FL 33102-5263 USA
δl	



Page:

2

Order No: S0321684 Order Date: 04/29/08 Print Date: 03/17/12



Ship-To: 19000244

S H I P	B/E AEROSPACE INC C.M. 10000 N.W. 15TH TERRACE MIAMI, FL 33172 USA
T	

Ln	Item Number	Site T Location	Lot/Serial	Qty Open Qty to Ship	UM	Promis Shipp		
7	CR3213-4-05 NAS9301B-4-05							
	M7885/2-4-05			•				
	* IF APPLICABLE, PART			225-7014 ALT I				
	* PREFERENCE FOR DC	MESTIC SPECIAL DO204	87604343					
	(85/89 MOTA) (85/10 \$2/10 \$2000 \$1/10 \$1000 411) 664-	D0204	07004343	6945.0		()	
	1 (0160) 4 (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	E0304	87603737					
	s restore have cores bitto Bellis Ports 2005 1986 Ale Mais			34100.0		()	
	1 14 1014 1517 1617 6 1111 1111 1111 6 1515 1111 171 16 171 18 1 1		87605573	34763.0		()	
	1819 1819 1819 1819 1819 1819 1819 1819 1819 1819 1819 1819 1819 1819 1819 1819	F0203	87603738	33970.0		,	١	
	MATERIAL RESERVATION REPORT BALLON BALLON BALLON BALLON BALLON BALLON BALLON BALLON BALLON BALLON BALLON BAL	F0904	87604344	34535.0		ì	,	
		K0504	87603274	34500.0		ì)	LAMON ARABA
8	CR3213-4-05	1600	0,000.	•	EΑ	04/1	5/12	
	Customer Item: S29	06-4-5	Tost I	Reports E	nc	loca	24	
	NAS9301BNS-4-05						JU	
	NAS9301B-4-05 M7885/2-4-05		Do	o Not Des	stra	VC		
	* IF APPLICABLE, PART	MEETS DEARS				J		
	* PREFERENCE FOR DO							
		A0404	87504499					
	i ikanti wilii 1980 aliki adiat avar ainti lesia kali 1931			34387.0		()	
	(1840) 1941 1944 1944 1911 1917 1911 1911 1911 1917	A0704	87605572	34440.0		1)	
		A0903	87606808	34440.0		'	,	
		7.0000	0,00000	34400.0		()	
	.	EZLINE-2	87606809					
	i erecyc lune iddla benir adlik ares ibah ibah ilim iba			11553.0		()	
	1 (1561) (1611) (1516 (1614 (1614 (1616 (1616 (1616 (1616 (1616 (1616 (1616 (1616 (1616 (1616 (1616 (1616 (16	F0204	87606811			4		
	1 (1	H1002	87605973	33800.0		()	
	, fine tor an last of the order desire of the 1929) (3000 All 252)	H1002	07003973	31420.0		()	

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative

Signed SIM NGUYEN



Nadcap

Chemical Processing
Heat Treating
ISO/IEC 17025'
Material Testing Lab

Final Inspection & Test Report CherryMax® Rivet

1224 East Warner Avenue Santa Ana, CA 92707-0157

An ISO9001 and AS9100 registered company. OASIS #6111041606

Part Numbers	Rev Proc. Spec.	Rev
Part Numbers	1100. 000.	
CR3213PR-4-05	AB PS-CMR-3000	R
CR3213-4-05	AB PS-CMR-3000	R

Lot I.D. No.: 87603738

Lot Size: **35,000**

MFG. Date: January 20, 2012

** See 2nd Page for the Customer Parts

ASSEMBLY DATA

TYPE	ID#	CERT#	MATERIAL	FINISH	LUBE	
Rivet	87577257	A68097	QQ-A-430/5056	MIL-C-5541 CLEAR CL1A	None	
Stem	87577218	A68653	AMS6322 / 8740ST	QQ-P-416/T2CL2/CAD PL	None	
Collar	00000000	A69297	A-286 / AMS5731	Passivate per AMS2700	None	

W.O. #: 5464545 Final Lube: None

QUALITY CONFORMANCE/ACCEPTANCE RESULTS

	INSTALLED S	HEAR	TENSIO	N	SPINDLE RETI	ENTION	DISASSEMBLY	
MIN REQ'D	664		285		125		10	
SAMPLE SIZE	8	N/A	8	N/A	8	N/A	5	
		C-N-M B C-N-M		В	C-N-M	В	C-N-M	
RESULTS	988		353		240		31 62	
	1004		363 361		262		100	
	1013 1025		370		236		28	
	1019		341		228		37	
C=CR N=NAS	1014		339		232			
LOAD VALUES	1032 1044		355 371		231			

 PCS.
 ITEM
 STATUS
 PCS.
 ITEM
 STATUS

 20
 EXAMINATION
 PASS
 20
 INSTALLATION (Min and Max Grips)
 PASS

Comments:

Blind Fastener

Tr. Rev:

Rev. Date: 1/20/2012

Q Code V09

Inspector

ACC 313

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory. The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

CERTIFIED INSPECTION REPORT AND TEST RESULTS

KAISER ALUMINUM

1547 Helton Drive - Florence, AL 35630

SHIP TO:

SOLD TO:

CHERRY AEROSPACE LLC

CHERRY AEROSPACE LLC

VMI / CONSIGNMENT AGREEMENT

VMI / CONSIGNMENT AGREEMENT

1224 EAST WARNER AVE

1224 EAST WARNER AVE

SANTA ANA, CA 92705-5414

SANTA ANA, CA 92705-5414

Customer PO Number VP126153 ,		NW WORK ORDER NO. 04266	Stramer King
DESCRIPTION .123 5056 H32 STEM			AUTHORIZED SIGNATURE QUALITY CONTROL MANAGER
CUSTOMER PART NO. ALLOY 5056		TEMPER H32	We hereby certify that the material covered by this report has been inspected in accordance with, and has been found to meet, the applicable requirements
NW PART NO. H123A7		DATE SHIPPED 8/20/2011	described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition
WEIGHT SHIPPED			limits and had the mechanical properties shown on this sheet.

3124/11

9124111		ULTIN	MATE /	YIE	LD	% ELONGATION		
		STRENG	TH K.S.I.	STRENG	TH K.S.I.			
LOT NUMBER	# OF TESTS	Min	Max	Min	Max	% ELONGATION		
K847412 ·	2	48.65	48.90					

COMMENTS: M005.123 REV R ' QQA-430C ' MILL SOURCE KAISER MADE IN USA

SEP 21 2011



		SILI	CON	IR	ON	COF	PER	MANG	ANESE	MAGN	ESIUM	CHRC	MUM	ОТН	ERS
	ALLOY	Min	Max	Min	Max	Min	Mex	Min	Max	Min	Max	Min	Max	Min	Max
욺			0.30		0.40		0.10	0.05	0.20	4.50	5.60	0.05	0.20	0.05	0.15
έM			KEL		NC	7.74	NIUM	1	AD	BICA	UTH				

5056	NIC	KEL	ZII	VC	TITA	NIUM	LE	AD	BISN	NUTH				
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
				0.10										
		ALUMINUM REMAINDER												



Bergus

Revised Certification

CERTIFIED TEST REPORT

http://Certs.KaiserAluminum.com

Kaiser Aluminum & Chemical 600 Kaiser Drive Heath, OH 43056-1088 740-522-1151

Specifications

QQA-430 REV C

Miscellaneous Notes

Made in USA

Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. Actual (Act) chemical composition is from representative samples taken during the ingot casting process. Independent chemical analysis will vary from these values because of natural variation in the process and testing error. This test report shall not be reproduced, except in full, without the written approval of Kaiser Aluminum. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law. Chemical analysis performed in accordance with ASTM E 1251-07. The Newark facility is AS9100B:2004 approved. The Newark Laboratory is NADCAP approved for chemical testing (OES).





CERTIFICATION

Kaiser Aluminum & Chemical Corp Inc. ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

Warren Marcucci, Technical Manager

Plant Serial: 18462

Kaiser Order Number: 624533840

Line Item: 1

Warn Maroncai

Page 2 of 2



SOLD TO

CHERRY AEROSPACE LLC 1224 E. WARNER AVENUE SANTA ANA, CA 92705-5414 USA

CERTIFICATION

WORK ORDER 085677

HEAT NO. 20151170 SALES ORDER / RLS 841037 / 1 ISO 9001-2000 REGISTERED



CERT # 911.01

CERT# 911.01

CARRIERS LADING NO SHIPMENT DATE CUSTOMER PART QUANTITY CUSTOMER P.O. 00093282 11/01/2011 6,995 Lbs 5 **VPO92778** M272.1040 SPECIFICATION C208740-101040A A-8740, AQ, SKFG, CHQ WIRE, SEAM & DECARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size: 0.103/0.105 Specifications: AMS2301K, AMS6322N, MIL-S-6049A, AMEND1, ASTM-A-547, AMS-S-6049-A, M 272,1040 REV. R CERTIFICATION REQUIREMENTS **Chemical Properties** Ni Cr Mo P Cu C Si Mn . 56 . 21 . 85 .011 .002 .08 . 44 .39 .24

Physical Properties

Cleanliness Mill Source Grain Size Jominy 1 Jominy 2 Jominy 3 Inclusions Macro GOOD F&S=0 Charter J8=47 J10=44 6 J5=54

Country of Origin

USA - DFAR Compliant

S2-R1-C2



TEST Tensile Strength KSI KSI **Yield Strength** % Elongation % % % Reduction of Area Rockwell Hardness C Scale HRC Decarb (Total) ln

UNITS

NOV 04 2011



133.1 113.1 63.0 29 0.00

Results

Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be

repayment of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof, included the following test considered in the following test: chemical analysis per ASTM E at 5, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 177, IFI 140, inclusion rating per ASTM E 45, decarburization performed as per IFI 140.

The reported Chemical and Physical Properties are Mett Source results. Transcribed from mill certificates. HRB(W) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, inc. A2LA accreditation.

TEST RESULTS RELATE ONLY TO THE ITEMS TESTED.

**DEFAR Material per Clauses 252.225-7014 ALT. 1, 252.225-7009, & 225.003(9)

LATEST REVISIONS OF ASTM

Material is free of mercury, radium, or alpha contamination.

15

The following statements are applicable to the material described on the front of this Test Report:

1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States meeting DFAR's compliance.

2. Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury during processing.

3. Unless directed by the customer, there are no welds in any of the coils produced for this order.

4. The laboratory that generated the analytical or test results can be identified by the following key:

Certificate Number	Lab Code		Laboratory	Address				
0358-01	7388	CSSM	Charter Steel Melting Division	1653 Cold Springs Road, Saukville, WI 53080				
0358-02	0358-02 8171 CSSR/ CSSP		Charter Steel Rolling/ Processing Division	1658 Cold Springs Road, Saukville, WI 53080				
0358-03	123633	CSFP	Charter Steel Ohio Processing Division	6255 US Highway 23, Risingsun, OH 43457				
0358-04	CCCM		Charter Steel Cleveland	4300 E. 49th St., Cuyahoga Heights, OH 44125-1004				
•	•		Subcontracted test perfo	ubcontracted test performed by laboratory not in Charter Steel system				

When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

Test	Specification	CSSM	CSSR/CSSP	CSFP	CSCM/CSCR
Chemistry Analysis	ASTM E415; ASTM E1019	Х			х
	ASTM E381	Х			х
	ASTM A255; SAE J406; JIS G0561	Х			X
	ASTM E112	Х	Х	х	х
	ASTM E8; ASTM A370		Х	х	х
Rockwell Hardness	ASTM E18; ASTM A370	Х	х	Х	Х
Microstructure (spheroidization)			Х	х	•
nclusion Content (Methods A, E)			х		X
Decarburization			Х	Х	Х

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 01/31/13.

All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They do not apply to any other sample.

7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions:

alt may be distributed only to their customers

NOV 04 2011 ■Both sides of all pages must be reproduced in full

8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Sales Order number) to the customer's purchase order. Both order numbers appear on the front page of this Report.

9. Where the customer has provided a specifiction, the results on the front of this test report conform to that specification unless otherwise noted on this test report.





Certificate of Analysis

Radcliff Wire Inc. 97 Ronzo Rd., P.O. Box 603, Bristol, CT 06010

Date Shipped: 1/3/2012

PO#: VP125694

Qty. Shipped: 114 LBS-10 BLACK

MIG SPOOLS

Radcliff No.: 122793

Heat No.: Z3003MK11

Customer: CHERRY AEROSPACE

SANTA ANA OPERATIONS 1224 EAST WARNER AVE

SANTA ANA, CA 92705-5414

Country of Origin: USA

Original Mill Source: USA

Size:

.006 X .011 X .056 ***

Notes:

DFAR COMPLIANT CONSIGNMENT ORDER **PART# M189.44 REV W** NET WGT 114 LBS

Material: A286 Stainless Steel

Description: SPECIAL SHAPE

Specification: AMS 5731 REV L, AMS 5737 REV P

CHEM ONLY

JAN 1 7 2012



Chemical Properties

AI: 0.2%

B: 0.007%

BI: 0.00001% Fe: 56.51%

C: 0.04%

Co: 0.07%

Cr: 14.43% Ni: 24.66%

Cu: 0.16% P: 0.009%

Mn: 0.1% Pb: <0.0001% S: 0.002% Mo: 1.27% SI: 0.17%

Ti: 2.07%

V: 0.3%

Rockwell:

Certs/Material

Tensile: 93 KSI

Lisa Piatek

Certification Clerk

The material as shipped is free from mercury contamination

HUNTINGTON ALLOYS CORPORATION A Special Metals Company

NOTE: THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE.

OTHER DIR	ECT-NOI	<u>ASSIGNABLETO</u>	ם בם	HUNTINGTON, V	VEST VIRGINIA	25705-1771				
A-1 WIRE			CER	TIFIED MATERI	AL TEST F				IFY THAT ALL REQUIRED S.	
840 AIRP	ORT DR		HA ORDI	ER NOATEN	DATE		PAGE OF		/e been performed in a ecification requiremen	
ROCKPORD	, IL 61	.109	3	00023059 1	06/23		11	3 REPRESENTS T	HE ACTUAL ATTRIBUTE	S OF THE MATER
			QUANTO	•	INSPECTED BY			THE MATERIAL) THE VALUES SHOWN AF DESCRIBED BY THIS CI	ERTIFICATE IS IN FL
A . 1 . 117.DE	m 77.0.11		g	438 LBS	HA/SI	MC MARK ORDER NO.		WE HEREBY C	ITH ALL ORDER AND INSPI ERTIFY THAT THE BEL	ECTION REQUIREMENT OW FIGURES ARE
A-1 WIRE TECH C/O SMC ACCOUNTS PAYABLE		1					ACCORDANCE W	ITH THE SPECIFIED CONT	RACT REQUIREMENTS	
1401 BUR				68-1		29968-1	IID DOD			REV. &
NEWTON.			OF MATERIA	INCOLOY ALL			HR ROD -	COIL PKL AN	MM	
3,2,13,041	110 2000			3120 IN	COLL	2011			······································	
		PORT RELATES (******
SPECIFIC.	ATIONS:	A-1 A286 RES	STRICTED	FOR CUST 187	. 1250,	211 REV 2	- 25 - 10\	Uì	NS: S66286	
		SAE AMS 573:	IL CHEM O	NLY\SAE AMS	5732J CHI	EM ONLY\				
				NLY\SAE AMS						
				NLY\GE CSOTF			A CHEM ONL	Y\		
				ONLY\GE S-4	00 (10-16	0-2008)\			2012	
		GE S-1000 (·				IAN 1 7	ZUIZ 🗫	
				RUPTURE CAPA				JAN -		<u> </u>
		EN 10 204/D		FICATION: IS	0 9001:20	DOB (ABS-	QE CERT. 3	0125);		6929
	-				CAL ANALY	YSIS (WT.	X)			A69
HEAT#	C	MN	FE	S	SI	CU	NI	CR	AL	
•	TI	co	MO	P	В	PB/PP	M BI/PP			
23003MK	0 04	0.10	F/ F1			0.16	B.4. 6.6	44		
23003MK	0.04			0.002 0.009			24.66		0.20	
	2.01	0.07	1.27	0.009	0.007	₹0.1	*U.I	0.30	•	
TO CONVE	RT PPM	N: MELTED AND TO WT.X, MOVE VIM + ELECTRO	DECIMAL	POINT FOUR P	USA LACES TO	THE LEFT				
				MECHANI	CAL PROPI	ERTIES				
			HARD	GRAIN YIELD	TENSIL	E %ELC	R/A D	EC		
EAT/LOT		QUANTITY	NESS	SIZE . 2XPSI	PSI		* F	•		
956654				X 100	X 100					
23003MK										
OOM TEMP-		-CAPABILITY		1043						TREAT #
OOM TEMP-	-	-CAPABILITY **	•	0988	1547 .	27.4	51.0		HEAT	TREAT #
ARDNESS -	HRC	-CAPABILITY	28.5			-			UFAT	TREAT *
ARDNESS -		-CAPABILITY	27.7							TREAT *
									444-41	*****

HUNTINGTON ALLOYS CORPORATION A Special Metals Company

NOTE: THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE.

	<u>OTHER DIRECT-NOT ASSIGNABLETO DI D</u>	HUNTINGTON, WES	T VIRGINIA 25705-1771			•
	A-1 WIRE TECH	CERTIFIED MATERIAL	TEST REPORT	No.		THIS IS TO CERTIFY THAT ALL REQUIRED SAMPLINGS INSPECTIONS
	840 AIRPORT DR ROCKFORD, IL 61109	300023059 1	06/23/11	PAGE 3	. 3	AND TESTS HAVE BEEN PERFORMED IN ACCORDANCE WITH THE ORDER AND SPECIFICATION REQUIREMENTS. THE TEST REPORT REPRESENTS THE ACTUAL ATTRIBUTES OF THE MATERIAL
		9438 LBS	INSPECTED BY HA/SMC			FURNISHED AND THE VALUES SHOWN ARE CORRECT AND TRUE. THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS.
μ Δ	A-1 WIRE TECH	CHARGE ORDER NO.	MARK ORDER NO.			WE HEREBY CERTIFY THAT THE BELOW FIGURES ARE IN ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENTS. REV. 808
ř .	C/O SMC ACCOUNTS PAYABLE 1401 BURRIS ROAD NEWTON, NC 28658	DESCRIPTION INCOLOY ALLOY OF MATERIAL SPETIES 3120 IN CO		HR ROD	- COIL	PRL ANN
	101120112110 20000					

ANNEX 1, CHAPTER 4.3 PER ABS GROUP LTD CERTIFICATE 41734 (EXPIRES JULY 31, 2011)."

HUNTINGTON ALLOYS CORPORATION IS AN ACCREDITED INDEPENDENT NADCAP MATERIALS TESTING LABORATORY VIA CERTIFICATE NUMBER 127805 (EXPIRES APRIL 30, 2013) FOR ALL TESTING SPECIFIED IN THE SCOPE OF ACCREDITATION.

MATERIAL PRODUCED UNDER QA SYSTEM DOCUMENTED IN HUNTINGTON ALLOYS CORP QA MANUAL REV. 49.DATED 2/17/2011

AUTHORIZED QUALITY CERTIFICATION REPRESENTATIVES : W. F. BOLEN, M.A. MORRISON, D.K. MILLER

CERTIFIED TESTING LABORATORY DATA SOURCE LAIL

AEBG VENDOR NO. 47150

M.R.B. CASE RECORD NO.: NONE

AUTHORIZED VENDOR SIGNATURE

DATE: 06/23/11

JAN 1 7 2012



HUNTINGTON ALLOYS CORPORATION

A Special Metals Company

WEST VIRGINIA 25705-1771

NOTE: THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE.

	OTHER BIRECT HOT HEBITAMBELLO BI	/ 11014711401014	******			7
	s a corps mpan	CERTIFIED MATER	NAL TEST REPORT	No.	17320	
	840 AIRPORT DR	HA ORDER NO.ATEM	DATE 06/23/11	PAGE	OF 3	THIS IS TO CERTIFY THAT ALL REQUIRED SAMPLINGS INSPECTIONS AND TESTS HAVE BEEN PERFORMED IN ACCORDANCE WITH THE CROER AND SPECIFICATION REQUIREMENTS. THE TEST REPORT
	ROCKFORD, IL 61109	300023059 1 QUANTITY	INSPECTED BY		3	REPRESENTS THE ACTUAL ATTRIBUTES OF THE MATERIAL FURNISHED AND THE VALUES SHOWN ARE CORRECT AND TRUE. THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL
214-	A-1 WIRE TECH C/O SMC ACCOUNTS PAYABLE	9438 LBS CHARGE ORDER NO. 29968-1	HA/SMC MARK ORDER NO. 29968-1			COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS. WE HEREBY CERTIFY THAT THE BELOW FIGURES ARE IN ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENTS. REV. 8/08
ن د يون	1401 BURRIS ROAD	DESCRIPTION INCOLOY AL SHIPED . 3120 IN	LOY A-286	HR ROD	- COIL	PKL ANN

STRESS RUPTURE-CAPABILITY

ARKED DIDECT NOT ACCIONADIETA DI D

1200 DEG F/ 75,000 PSI STRESS/ 057.8 HRS / 7.4%EL IN 4D /11.1%RA/ STRESS WAS INCREASED PER SPECIFICATION OPTION TO INDUCE EARLY FRACTURE

STRESS RUPTURE SPECIMEN DIAMETER - .250"

HEAT TREAT #2

1200 DEG F/ 75.000 PSI STRESS/ 038.7 HRS / 18.3%EL IN 4D STRESS RUPTURE-CAPABILITY

/31.4%RA/

STRESS RUPTURE SPECIMEN DIAMETER - . 250"

HEAT TREAT #1

11 PCS Z3003MK 11 -AS SHIPPED *** 68.4 0309 0855 50.5 78.5 ROOM TEMP-HRB

7.

JAN 1 7 ZÛIZ



GRAIN SIZE-AS SHIPPED AGS ASTN NO. NORMAL - TRAN

TENSILE SPECIMEN GAUGE LENGTH - 4 X DIAMETER

*** TENSILE SPECIMEN GAUGE LENGTH - 01.500

YIELD STRENGTH WAS DETERMINED USING A STRESS STRAIN CURVE

NO WELDING OR WELD REPAIR WAS PERFORMED.

CAPABILITY HEAT TREAT #1: SOL TREAT AT 1650 DEG. F. FOR 30 MINUTES, WATER QUENCHED. AGED 1325 DEG. F. FOR 16 HOURS. AIR COOLED.

CAPABILITY HEAT TREAT #2: SOL TREAT AT 1800 DEG. F. FOR 30 MINUTES, WATER QUENCHED, AGED 1325 DEG. F. FOR 16 HOURS, AIR COOLED.

VISUAL AND DIMENSIONAL EXAMINATION SATISFACTORY.

MATERIAL, WHEN SHIPPED, IS FREE FROM CONTAMINATION BY MERCURY, RADIUM, ALPHA SOURCE, & LOW MELTING ELEMENTS.

"CHEMICAL ANALYSIS AS REQUIRED FOR CARBON, SULFUR, NITROGEN OR OXYGEN IS PERFORMED BY COMBUSTION TECHNIQUES. ALL OTHER REPORTED ELEMENTS ARE ANALYZED BY X-RAY AND/OR EMISSION SPECTROSCOPY."

"QUALITY SYSTEM MEETS REQUIREMENTS OF DIRECTIVE 97/23/EC (PRESSURE EQUIPMENT DIRECTIVE).

A-1 Wire Tech, Inc.

4550 Kishwaukee Street Rockford, Illinois 61109

Certifled Material Test Report

HEAT/LOT

Z3003MK11

SOLD TO

Page 1

Load ID. 00082926

Radcliff Wire 97 Ronzo Road Bristol, CT 06011-0603 USA

SALES ORDER 103494 / 1

Date Printed 07/20/2011

CUSTOMER P.O. 43421

TEST

*Tensile

CUSTOMER PART JOB# 1282011

207.00

QUANTITY PIECES

SHIPMENT DATE 07/20/2011

PRODUCT: Alloy: A286

Diameter:.034" Temper:1/8 Hard

Finish:.

CERTIFICATION REQUIREMENTS

Mn

7662861-034-50-ST

*As Shipped Properties

		R	ESULTS 110	
Ch	emical Ar	alysis %		
	a	59.4		

.07

.17 .009 . 04 .002 .10 Cu Al Pb Bi Mo .16 1.27 .007 .20 <.1 PPM .00001

S1

UNITS

ksi

Specifications

*Melt Source

C

DFARS COMPLIANT / MELT SOURCE: HUNTINGTON ALLOYS / COUNTRY OF ORIGIN: USA / MFG: USA

Specification:

JAN 1 7 2012

2.07



.30

56.51

End of Certification

Visual and dimensional examination Satisfactory Material, when shipped is free from contamination by mercury, radium, alpha source, and low melting point elements.

This is to certify that all required samplings, inspections, operations and tests performed by A-1 Wire Tech, Inc. and its subcontractors are in accordance with the specification requirements. The test report represents the actual attributes of the material furnished and the values shown are correct and accurate. The material described by this certificate is in full compliance with all order and inspection requirements. We hereby certify that the above data are in accordance with the specification requirements.

Suzanne Mullins **Quality Assurance Manager**



. EMAIL

1658 Cold Springs Road

Saukville, Wisconsin \$3080

(262) 268-2400

1-800-437-8789

FAX (262) 268-2570

A Division of Charter Manufacturing Company, Inc.

CHARTER STEEL TEST REPORT Reverse Has Text And Codes

Wiretech Incorporated 6440 East Canning Street Attn: Andre Stephan Los Angeles,CA-90040

Cust P.O.	6703-1
Customer Part #	8740C1A060-C
Charter Sales Order	60612
Heat #	20151170
Ship Lot #	4089167
Grade	8740 R SK FG AQ 1/4
Process	HRSA
Finish Size	1/4

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies these requirements.

Test Results of Heat Lot# 20151170

CHEM	644 C	MN	P	S	SI	NI	CR	MO	CU	SN	V	
6Wt	.39	.85	.011	.002	.24	.44	.56	.21	.08	.008	.003	
	AL .030	N .0070	B .0006	TI .002	NB .001							
OMINY(HRC)	JOM01 56	JOM02 56	JOM03 56	JOM04 56	JOM05 54	JOM06 51	JOM07 49	JOM08 47	JOM09 46	JOM10 44	JOM12 41	<
٠	JOM14 39	JOM16 37	JOM18 36	JOM20 35	JOM24 33	JOM28 31	JOM32 29					WireTech-r. 20151170
AMS 2301 SEVI	ERITY AVE	ERAGE = .	.00 AMS	S 2301 SE	VERITY I	NDIVIDUA	ЛDUAL = . .L = .00	· N	VOV (4 20	11	
MS 2301 SEVI CHEM. DEVIATI	ERITY AVE	ERAGE = :	.00 AMS	S 2301 SE	VERITY I	NDIVIDUA	L = .00 Rolling Lo	/ ot# 20162) 4 20	11	
MS 2301 SEVI CHEM. DEVIATI	ERITY AVE	ERAGE = :	.00 AMS	S 2301 SE	VERITY II Test R	NDIVIDUA	L = .00 Rolling Lote ssing Lote	/ ot# 20162	61 ,4089167 Meas) 4 20		
REDUCTION RA	ERITY AVI ION EXT ATIO = 998	ERAGE = :	# of 1	S 2301 SE	Test R It Results Min 1 76.7	NDIVIDUA	Rolling Lossing Lots Ssing Lots Max 82.3	/ ot# 20162 - 4089111	61 ,4089167 Meai 79.5		TENSILE LAB = 0358-02	······································
REDUCTION RA	ERITY AVI ION EXT ATIO = 998	ERAGE = :	.00 AMS	S 2301 SE	VERITY II Test R It Results Min 1	NDIVIDUA	Rolling Lossing Lots Max	/ ot# 20162 - 4089111	61 ,4089167 Meas			
AMS 2301 FREICHEM. DEVIATION RAMS REDUCTION RATERISILE REDUCTION OF REDUCTION OF REDUCTION OF REDUCTION OF REDUCTION OF SPHERO %	FAREA	ERAGE = :GREEN =	# of 1	Tests B = .000	Test R t Results Min 1 76.7 70 FREE F	results of of Proces	Rolling Lote Ssing Lote Max 9 82.3 71 ARTIAL DE	/ ot# 20162 - 4089111 Value	,4089167 Mear 79.5 70		TENSILE LAB = 0358-02	

Additional Comments:

Rem: Load1, Fax0, Mail0

Charter Steel Cuyahoga Heights, OH, USA



This MTR supersedes all previously dated MTRs for this order

Janice Barnard Manager of Quality Assurance 07/26/2011

Page 1 of 1





Revised Certification

CERTIFIED TEST REPORT http://Certs.KaiserAluminum.com

Kaiser Aluminum & Chemical 600 Kaiser Drive Heath, OH 43056-1088 740-522-1151

CUSTOMER PO NUMBER	₹:	CUSTOMER PART N	UMBER:	PRODUCT DESCRIPTION:				
FLO-1100		6Z37KH		ALY-JUMBO				
KAISER ORDER NUMBER	R: LINE ITEM:	SHIP DA	ATE:	ALLOY:	TEMPER:			
624533840	1	08/02	2/2011	K540	F			
WEIGHT SHIPPED:	QUANTITY:	B/L NUI	MBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:		
19582 lbs.	90 pcs.	9922		0.375 in.	0.000 in.	0.0 in.		
SHIP TO:	··· • · · · · · · · · · · · · · · · · ·	***		SOLD TO:				
FLORENCE 1547 HELTON DI FLORENCE, AL 3				FLORENCE 1547 HELTON FLORENCE, AL				

Test Code: 4000

Actual Physical Properties

Lot No.

847412 0.0

Chemical Composition, WT. % (Aluminum Remainder)

Lot Cast/Drop ChemID		Si.	Fe	Cu '	Mn	Mg	Cr	Zn '	Ti		_
847412- 22-2F2 163126	Act.	0.04	0.09	0.01	0.08	4.7	0.08	0.02	0.01		X ass
Chemical Limits	Min Max	0.30	0.40	0.10	0.05	4.5 4.9	0.05 0.20	0.10	0.05	2011	ar Atuminum F K847412
		Others	Each	0.05	Max		Total	0.15	Max	SEP 27	Fabricated

CERTIFICATION

Kaiser Aluminum & Chemical Corp Inc. ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

Warren Marcucci, Technical Manager

Plant Serial: 18462

Kaiser Order Number: 624533840

Line Item: 1

Wany Maranai

Page 1 of 2



1224 East Warner Avenue Santa Ana, CA 92707-0157



Chemical Processing Heat Treating ISO/IEC 17025 Material Testing Lab

Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

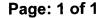
Lot I.D. No.:	87603738
LOUILD. NO	0/003/30

Rev:

•

Customer Parts List

Customer Part Number	Rev	Proc. Spec.	Rev
NAS9301BNS-4-05	5	NAS1686	3
M7885/2-4-05	D2	MIL-R-7885	D2
NAS9301B-4-05	5	NAS1686	3
S2906-4-5	В	MIL-R-7885	D2
S2906-4-5	В	NAS1686	3
S2906-4-5	В	PS-CMR-3000	R





P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

300 EA MS20600AD4W5

CUST REF#

LOT-NUMBE

MANUFACTURER CCODE MFR DATE EXP DATE

87961961

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Form 67 Rev 1.0



Cherry Aerospace 1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157 USA



PACKING LIST

Order No: S0382902 Order Date: 04/04/14 Print Date: 08/07/14

Page:

10015341 Sold-To:

S	B/E AEROSPACE	
F	PO BOX 025263 MIAMI, FL 33102-5263	
T	USA	-
10		600

~ Ship-To: 10043053

SHIP TO	B/E AEROSPACE INC, CONSUMABLES MANAGEMENT 9835 NW 14TH ST MIAMI, FL 33172 USA
---------	---

Salesperson (s):110

Credit Terms: NET 30

Net 30

Purchase Order: 0XJS59

Ship Via: FED EX NATIONAL CL

FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0 IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

.7.est. reports enclosed

ECCN: EAR99

-----*DO*-*NOT-DESTROY*----

- *IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7009 ALT I
- *PREFERENCE FOR DOMESTIC SPECIALTY METALS

RELEASE# WW1D0XJS59

Unless otherwise specified on this order, Cherry will manufacture and certify parts to the part number's latest revision. Latest revisions are shown at https://bizpartner.cherryaerospace.com/partrevisions.htm under "Part Number Revision List".

INCORRECT AND UNAVAILABLE PART NUMBERS WILL BE LINED OUT ON PO CHERRY AEROSPACE DOES NOT ACCEPT CLAUSE V IN REGARDS TO ISO17025- CHERRY IS COMPLIANT TO NADCAP REQUIREMENTS ONLY

Item Number Ln

Site

Qty Open

Promised

T LocationLot/Serial

Qty to Ship UM

Shipped

CR9163-4-05

1600

09/18/14 EA

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative







PACKING LIST

Order No: S0382902 Order Date: 04/04/14

Page:

Print Date: 08/07/14

Cherry Aerospace 1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157

Sold-To:

10015341

B/E AEROSPACE O L PO BOX 025263 MIAMI, FL 33102-5263

D USA

Т 0

Ship-To: 10043053

B/E AEROSPACE INC,

Н CONSUMABLES MANAGEMENT I

9835 NW 14TH ST P MIAMI, FL 33172

Т USA

ō

Site	Oty Open	UM	Promised
T Location Lot/Serial	Oty to Ship		Shipped

CR9163-4-05

Item Number

Customer Item: MS20600AD4W5

G0306 87961961 20100.0

TEST REPORTS ENCLOSED DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative



1224 East Warner Avenue Santa Ana, CA 92707-0157



Chemical Processing ISO/IEC 17025

Final Inspection & Test Report **Cherry® Rivet**

An ISO9001 and AS9100 registered company. OASIS #6111041606

Part Numbers	Rev	Proc. Spec.	Rev		
CR9163-4-05	J	MIL-R-7885	D2	Lot I.D. No.:	87961961
				Lot Size:	28,000
				MFG. Date:	August 06, 2014
ASSEMBLY DAT	'A				

LUBE **FINISH** CERT# MATERIAL TYPE 1D# Par-90 A74728 2117 ALUM ALLOY MIL-C-5541 87961961 Rivet Par-90 MIL-C-5541 A74848 2017 ALUM ALLOY Stem 87961964

W.O. #: 5551336

Final Lube: None

		CHILLE
QUALITY	CONFORMANCE/ACCEPTANCE RE	30113

	INSTALLED SHEAR	SPINDLE RETENSION
MIN REQ'D	370	15
SAMPLE SIZE	9	9
SPECS		UnLocked
RESULTS	519 525	62 67
11200210	522	60
:	525	68
:	520	64
1	520	64
	523	59
	521	60
LOAD VALUES IN POUNDS	520	70

<u>STATUS</u> PCS. <u>ITEM</u> STATUS PCS. ITEM INSTALLATION (Min and Max Grips) PASS <u>13</u> **PASS EXAMINATION** <u>20</u>

Comments: Blind Fastener

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

Tr. Rev.: Rev. Date: 8/8/2014 Inspector V Iriarte

Insp. Control #:

This test report shall not be reproduced except in full, without the written approval of the laboratory. The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

BENEKE

Product Certification And Testing Report

Customer:

CHERRY AEROSPACE LLC ATTN: ACCTS. PAYABLE 1224 EAST WARNER AVENUE

P.O. BOX 2157

SANTA ANA

CA

92707-0157

2H1230813041A01

BLOCKWOUND 100# COILS.

Ohamiani i imita

Date >> 4/15/2014

BWC Lot No.: Customer PO No.

Date Shipped 4/15/2014 25886

PO164101 Cust Item ID: M262.1230

BWC Item No.

Description:

.123" DIA. + - .0005" 4F 2117 - H13

#4 FINISH, ALUMINUM COLD HEADING WIRE X 22"

Specifications:

CUST SPEC

M-262

REV. F

FED SPEC

QQ-A-430

REV. C

Test Results

				Cnemi	cai Lim	its			Others	Others	i					Viola	Dook Load	Grain
•	Si	Fe 7	Cu	Mn 020	Mg .2050	Cr n - 10	Zn 25	Ti	Each .05	Total	Aluminum Remainder Case	e No.	lbs	Diameter (in)	Tensile (psi)	Yield (psi)	Peak Load (lbs) EL	Cina
2117	8		2.2 - 3.	20														
852763	.46	.40	2.8	.14	.46	.07	.14			<u>-</u>	41874-1		224	0.1230	29,930.0		355.6	

Total Weight:

224

APR 2 4 2014



Beneke Wire Company

WE CERTIFY THAT SAMPLES REPRESENTING THE MATERIAL COVERED INTHIS REPORT HAVE BEEN INSPECTED AND FOUND TO MEET THE COMPOSITION LIMITS AND MECHANICAL PROPERTIES SHOWN ABOVE. ANY WARRANTY IS LIMITED TO THAT SHOWN ON BENEKE WIRE COMPANY'S STANDARD TERMS AND CONDITIONS OF SALE.

Authorized Signature

Shannon King, Plant Metallurgist

Phone: (502) 367-6434



Bestin

CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

Kaiser Aluminum Fabricated Products, LLC 600 Kaiser Drive Heath, OH 43056-1088 740-522-1151

Miscellaneous Notes

Made in USA

Chemical exceptions Fe 0.30-0.7 Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. Actual (Act) chemical composition is from representative samples taken during the ingot casting process. Independent chemical analysis will vary from these values because of natural variation in the process and testing error. This test report shall not be reproduced, except in full, without the written approval of Kaiser Aluminum. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law. Chemical analysis performed in accordance with ASTM E 1251-11. The Newark facility is AS9100C:2009 approved. The Newark Laboratory is NADCAP approved for chemical testing (OES).

The products you inquired and ordered are not governed by any applicable industry standard or custom specifications. They are produced, tested and released as such. By placing an order, you acknowledge and accept the full responsibility and liability for their fitness for the intended end use or end uses.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLP ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

Steven J. Tua, Technical Manager

APR 2 4 2014



A74728

Plant Serial: 35516

Kaiser Order Number: 172560092 Line Item: 1

Page 2 of 2

Product Certification And Testing Report

Customer:

CHERRY AEROSPACE LLC ATTN: ACCTS. PAYABLE 1224 EAST WARNER AVENUE P.O. BOX 2157

SANTA ANA

92707-0157 CA ·

Date >> 5/5/2014

Customer PO No.	BWC Lot No.:	Date Shipped:
PO164957 -	26036	5/5/2014
Cust Item ID : M051.0	980	

BWC Item No. 2F09808T3741A01 Description:

.098" DIA. + - .0005" 4F 2017 - T37

#4 FINISH, ALUMINUM COLD HEADING WIRE X 22"

BLOCKWOUND 100# COILS.

Specifications:

CUST SPEC

M-51

REV. L -

FED SPEC

QQ-A-430 ~

REV. C

Chemical Limits

Alloy Si Fe 3.5 - 4.5 .40 - 1.0 .40 - .8 - .10 .20 - .8 2017

Zn - .25

Others Each - .15 .05

Others Total Aluminum Remainder Case No.

Diameter (in)

Tensile (psi)

Test Results

Yield Peak Load (psi)

(lbs) EL % Grain Size

.02 2 .29 / 3.7 1 8527364

42062-1

0.0983 371

68,040.0

371 **Total Weight:**

517.0

A74848

852736

Beneke Wire Company

WE CERTIFY THAT SAMPLES REPRESENTING THE MATERIAL COVERED INTHIS REPORT HAVE BEEN INSPECTED AND FOUND TO MEET THE COMPOSITION LIMITS AND MECHANICAL PROPERTIES SHOWN ABOVE. ANY WARRANTY IS LIMITED TO THAT SHOWN ON BENEKE WIRE COMPANY'S STANDARD TERMS AND CONDITIONS OF SALE.

Authorized Signature

Shannon King, Plant Metallurgist

Phone: (502) 367-6434

5540 National Turnpike

Louisville, KY 40214





P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

2000 EA NAS1149C0332R

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

C134126-02-1

SUPERIOR WASHER AND 4WUG7

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

ORDER NUMBER:

C134126-02

SUPERIOR WASHER AND GASKET CORP.

170 Adams Avenue, P.O. Box 5407 Hauppauge, New York 11788 PHONE: (631) 273-8282 FAX: (631) 273-8088 SUPERIOR WASHER AND GASKET CORP.

170 Adams Avenue, P.O. Box 5407 Hauppauge, New York 11788 PHONE: (631) 273-8282 FAX: (631) 273-8088

S ACCT NO. 6170

O B/E AEROSPACE

D P.O. BOX 025263

S ACCT NO. 6170 H B/E AEROSPACE

9835 NW 14TH STREET

T MIAMI

FL 33102

MIAMI

FL 33172

0			O		
PURCHASE ORDER NU	JMBER	TERMS	F.O.B.	Por	
ORTB74-02 SPECIAL INSTRUCTION	NS	1% 10 NET 90	ORIGIN	DST	V
	FRT ECONO /NOOVR/UNDR				
				ALLES STATES	SEPRED TO SERVICE
. 1000000	NAS1149C0332R REV 5AN960-C10L REV2 301/302/304 A AMS5901, PASSIVATE AMS2700 MET .438 X .203 X .032 +.020005 +010 SPECIAL CHARGES: DUAI SPECIAL CHARGES: PLAT SHIPPING DATES: 09/02	21 55516,5513 THOD 1 TYPE 6 +004 L DFAR CERT	CLASS 1		1000000 CTWS 861# :00
		·			
	PAGE: 1				

CERTIFICATION OF COMPLIANCE

WE CERTIFY THAT THE ABOVE MATERIAL IS MANUFACTURED IN THE U.S.A. AND CONFORMS TO THE SPECIFICATIONS INDICATED IN DRAWINGS AND SPECIFICATIONS ON SAID PURCHASE ORDER AND PARTS ARE MERCURY FREE.

Roy Metal Finishing Co., Inc.

Tel: \2864-277-0420 Fax: 1-864-277-8698

CONESTEE



775516

Superior Wa	asher & Gasket(SWG	TE1 . /	803) 366-325	• Ente	ed 9/17/2013
Part No.	S2700 METHOD	1 (.438X.2	06X.03	3)		
Plating AM	S 2700 METHOD SSIVATION					
Rec Ticket No. Cust PO No. Lot No.	c134126-02-1	Cei YES	ts NO		· · · · · · · · · · · · · · · · · · ·	hine ASS
Machine Cycle GEN	900 Container(s) 2 I	BARRELS Unit Quantity	POUND 1,091		
Instructions: Customer Producti	on: PASSIVATE orders, and bl	ack jobs must be lin	ed with			,

WO Memo

plastic bags - see your supervisor for bags!!!

Post Plating O	erations If	Applicab	le:		Bake Trays:		Rework:	the second second
Plating Out		. 0	ven		Bake Oven # _		Machine	
Out Time Initi	i In Time	Initial	Out Time	Initial	Chromate Initials	Post Dip Initials	Problem	
AM PM	AM PN	1	AM PM				Cause	
WØID / Receiv	ng Loa	ding	Unload	ing	Packaging	Quality	/	Ship Prep

Date Printed:

9/17/2013 1:39:13 PM

This Certification ensures that the plating thickness and chromate finish is in accordance with the finish requirement stated above.

			1
	13 6		
Contition Du .		Data :	./

ORDER NUMBER:

C134126-02

SUPERIOR WASHER AND GASKET CORP.

170 Adams Avenue, P.O. Box 5407 Hauppauge, New York 11788 PHONE: (631) 273-8282 FAX: (631) 273-8088

ACCT NO. 6170

B/E AEROSPACE

P.O. BOX 025263

MIAMI

FL 33102

SUPERIOR WASHER AND GASKET CORP. 170 Adams Avenue, P.O. Box 5407 Hauppauge, New York 11788 PHONE: (631) 273-8282 FAX: (631) 273-8088

ACCT NO. 6170

Н **B/E AEROSPACE**

9835 NW 14TH STREET

MIAMI

FL 33172

JRCHASE ORDER NU RTB74-02	MBER	TERMS 1% 10 NET 90	F.O.B. ORIGIN	DST	
PECIAL INSTRUCTION					
>150#FEDAF	RT ECONO /NOOVR/UNDR				ED I LANGUAT
. 1000000	NAS1149C0332R REV 5AN960-C10L R 301/302/304 A AMS59 PASSIVATE AMS2700 .438 X .203 X .0 +.020005 +01 SPECIAL CHARGES: D SPECIAL CHARGES: P SHIPPING DATES: 09	01,5516,5513 METHOD 1 TYPE 6 32 0 +004 UAL DFAR CERT LATING CERT	CLASS 1	23CT	.00 J. # .00

CERTIFICATION OF COMPLIANCE

WE CERTIFY THAT THE ABOVE MATERIAL IS MANUFACTURED IN THE U.S.A. AND CONFORMS TO THE SPECIFICATIONS INDICATED IN DRAWINGS AND SPECIFICATIONS ON SAID PURCHASE ORDER AND PARTS ARE MERCURY FREE.

Ray Metal Finishing Co., Inc.

Tel: \=864-277-0420 Fax: 1-864-277-8698

CONESTEE



775516

Superior	Wash	er & Gask	et (SWG	;)	TEL : (803)	366-3250	E	intered 9/17	7/2013
Part No	AMS27	OO METH		438X.206	X.033)				
rialiliy		700 METH VATION	IOD 1		,				
Rec Ticket N	lo.			Certs	}			Machine	
Cust PO No.	c134	1126-02-1		YES	NO		F	PASS	
GE Instruction		C PART			. !	DUND 091	4 1 2		
Customer Proc All METAL bar	duction: rels, PAS	SIVATE orders, upervisor for ba		must be lined	with				
**	*			-		**			•
. "									
	,	* * * *						**	
				. 6. 1	·	•	••	•	·
-2	e e e e e e e e e e e e e e e e e e e				•	•			
				and the second second					

WO Memo

Post Plating Operations If Appli Plating Out		<u>le:</u> ven	Bake Trays: Bake Oven #		Rework: Machine	· · · · · · · · · · · · · · · · · · ·
Out Time Initial AM PM	In Time Initial	Out Time Initial AM PM	Chromate Initials	Post Dip Initials	Problem Cause	
WØID / Receiving	Loading	Unloading	Packaging	Quality	<u>/</u>	Ship Prep

Date Printed: 9/17/2013 1:39:13 PM

This Certification ensures that the plating thickness and chromate finish is in accordance with the finish requirement stated above

Certified By :

)ate : __

SUPERIOR WASHER AND GASKET CORP.

170 Adams Avenue
Hauppauge, New York 11788
Phone: (631) 273-8282
Fax: (631) 273-8088
E-Mail: swg@superiorwasher.com
Web: superiorwasher.com
(in the East)

SUPERIOR WASHER AND GASKET CORP.

662 Bryant Bivd.
Rock Hill, South Carolina 29732
Phone: (803) 366-3250
Fax: (803) 366-3511
E-Mail: swg@superiorwasher.com
Web: superiorwasher.com
(In the South)

B/E AEROSPACE P.O. BOX 025263

MIAMI

, FL 33102

Customer Purchase Order Number ORTB74-02		Superior C13412	Order Number 6-02-1	 Tracer No. SC34601 -1		
Date Production Card Part Nur			nber	Quantity		
09-18-13	511175	NAS1149C0332R			1,000,000	
Drawing			Dual Cert No.		 	
REV 5AN960-C10L REV21			AN960-C10L RE	EV21		

We hereby certify that all materials and processes conform to the required drawing specifications and that the parts have been melted and manufactured in the U.S.A. and comply with DFARS 252.225.7014 ALT 1

All parts are manufactured in a Mercury-free environment

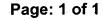
Material

304 STAINLESS STEEL Annealed per AMS5513F

Quality Control Manager

PASSIVATE AMS2700 METHOD 1 TYPE 6 CLASS 1

<u>Chemical Analysis</u>			<u>Mechani</u>	<u> Mechanical Properties</u>						
C	CARBON	.0207	Yield	54020						
Mn	MANGANESE	1.7710	Tensile	99570						
P	PHOSPHORUS	.0340	Elongation	48.1						
S	SULPHUR	.0010	Hardness	B 86.0						
Si	SILICON	.2445	Heat	H4L9						
Cr	CHROMIUM	18.0630	Magnetic							
Ni	NICKEL	8.0155	Permeabilit	cy <2.0						
Mo	MOLYBDENUM	.4010		•						
Cu	COPPER	.3900	Bend Test	OK						
Fe	IRON			•						
Ti	TITANIUM									
Co	COBALT									
N	NITROGEN	.0718								
Сь	COLUMBIUM									
Al	ALUMINUM		SUPERIOR WASHE	& GASKET CORP						
Sn	TIN		ooi pidok whomb	ta choler cold.						
Mg	MAGNESIUM		•	_						
Zn	ZINC		By Biclardo	Indraw (2)						
Pb	LEAD			•						
Va	VANADIUM		Richard Anders	on, Jr.						





P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

150 EA D5-PFSC35-38A-HF

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

SOUTHCO CONCORDVILLE 94222

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15



southco.com

Global Customer Contact: info@southco.com

Certificate of Conformity
(Manufacturing Responsibility/Quality Management System Approvals)

Customer Purchase Order Number

0ZZ3T84

Southco Customer Order Number 508631

Shipped Date 08Jan15

Shipped To Customer KLX Aerospace Solutions 9835 NW 14th Street MIAMI FL 33172 USA

Contract Part No.	Rev.	Southco Part No	Rev.	Part Description	Lot	Number	Lot Quantity
PFSC35-38A, S10015-2		D5-PFSC35-38A-HF		DZUS® Panel, Stud Assy Cad Clr	000	1270591	5,570.00

Quality Management System Registrations

Audit Body: BVC ISO / TS16949 Cert No: USA-11381/2-TS

ISO 9001: 2008 Cert No: US 10000019

ISO 14001 Cert No: US003361-1

AS9100-B: US003276-1

Packing List Number

81876636

Manufacturing Responsibility

Southco, Inc.

250 East Street

HONEOYE FALLS NY 14472

USA

Certified that, unless otherwise stated above, the enclosed products have been manufactured, inspected and tested in accordance with the requirements of the applicable Contract or Purchase Order and conform in all material respects to the published specification(s)/drawing(s) specific to the referenced part number.

Name: Terry Graham

Title / Position: SENIOR QUALITY ENGINEER

Date of Signature: 08Jan15

Signature:

Lerry Leaham



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

500 EA MS21042L5

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MED DATE EVE DATE

51693

ALCOA FASTENING/REPU 52828

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Alcoa Fastening ALCOA **Systems**



Shipper ID: 894595

Page: 1

Sold To: 5574

B/E AEROSPACE, INC.

ATTN: ACCOUNTS PAYABLE

P.O. BOX 025263

MIAMI, FL 33102-5263

Ship To: 55740014

B/E AEROSPACE CONSUMABLES

9835 NW 14TH ST

MIAMI, FL 33172

USA

Shipped From:

ALCOA FASTENING SYSTEMS

AEROSPACE PRODUCTS

NEWBURY PARK, REPUBLIC OPERATIONS

1300 Rancho Conejo Blvd

Newbury Park, CA 91320

TEL: (805) 262-4200

Ship Date: 09/10/14

Print Date: 09/10/14 Time: 10:18:13

Ship Via: FED EX OVERNIGHT

Container/Weight:

INCO Terms: FCA NEWBERY PARK

Carrier Shipment Ref: 894595

Bill Lading #:

SHIP VIA : FED EX OVERNIGHT

BUYER: ROHAN JOHNSON

PHONE:

MATERIAL COMPLIES WITH DFARS 252.225-7009 PREFERENCE FOR DOMESTIC SPECIALTY

METALS" WITH ITS ALTERNATE 1.

***SHIP VIA FEDX AIR COLLECT ACCT# 0331-0149-0 IF 150 LBS OR MORE SHIP FED

EX FREIGHT ECONOMY COLLECT ACCT# 018757. ***

DO NOT SHIP BY ANY OTHER WITHOUT PROPER WRITTEN AUTHORIZATION.

ALLOWABLE SHIPPING TOLERANCE +0%-00%.

** BAR CODE PER QAP 33 CLAUSE P REQUIRED ***

** QAP 33.0 REV G CLAUSES: A,A.1,B,C,E,H,P,U,V. CLAUSE A.3 GENERAL TERMS

APPLIES.

***REV. LATEST

RELEASE # W0190MMR88

03/18/14 ADDED TO THE MILESTONE UPDATED TO SHIP OVERNIGHT-AA

02/20/14 PER MILESTONE CALL MYRRA AND MARIA OK TO SPLIT ORDER FROM REPUBLIC

TO FULLERTON SO# F497806 BE WANTS TO TAKE 7,350 PCS IN STOCK FROM FULLERTON

NEW SALES ORDER WAS CREATED FOR FULLERTON STOCK-AA

05/12/14 ADDED TO THE MILESTONE UPDATED TO SHIP OVERNIGHT-AA

Sales Order: F454386 Order Date: 01/24/13 Purchase Order: 0MMR88

Remarks: CONNIE

Ln Item Number Description

Rev Qty Shipped Qty B/O UM

Hex Nut, 8740, TSO-C148

59120.0

5 RH30A5

0.0 EA

Low Height, Lightweight

Cust Line #: 5

Customer Item:

MS21042L5

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

A.F.S. Republic

ALCOA GLOBAL FASTENERS, INC.

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEBILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEDGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING

CUSTOMER'S COPY

Alcoa **Fastening** Systems



Shipper ID: 894595

Page: 2

Sold To: 5574

B/E AEROSPACE, INC.

ATTN: ACCOUNTS PAYABLE

P.O. BOX 025263

MIAMI, FL 33102-5263

USA

Ship To: 55740014

B/E AEROSPACE CONSUMABLES

9835 NW 14TH ST

MIAMI, FL 33172

USA

Shipped From:

ALCOA FASTENING SYSTEMS

AEROSPACE PRODUCTS

NEWBURY PARK, REPUBLIC OPERATIONS

1300 Rancho Conejo Blvd Newbury Park, CA 91320

TEL: (805) 262-4200

Ship Date: 09/10/14 Print Date: 09/10/14

Time: 10:18:13

Ship Via: FED EX OVERNIGHT

Container/Weight:

INCO Terms: FCA NEWBERY PARK

Carrier Shipment Ref: 894595

Bill Lading #:

Ln Item Number

Lot/Serial

5 RH30A5

*** Cont ***

Ln Item Number

Description

Rev Qty Shipped

Qty B/O UM

Required Date:

02/14/14 Promised Date

DUAL CERT TO: NAS1291-5***

MFG C OF C CHEM & PHYS TEST REPORT REQ

Loc/Lot:

f-2030

59,120.00

COO: mx

HTS CODE: 7318160085

SCHEDULE-B NUMBER: 7318160000

9A991 ECCN:

The export classification appears above. You are responsible for all related

export license requirements.

6 RH30A5

Hex Nut, 8740, TSO-C148

100000.0

0.0 EA

Low Height, Lightweight

Cust Line #:

Customer Item:

MS21042L5

Required Date:

03/14/14 Promised Date:

03/21/14

DUAL CERT TO: NAS1291-5

MFG C OF C CHEM & PHYS TEST REPORT REQ

Loc/Lot:

f-2030

51693

100,000.00

COO: mx

HTS CODE: 7318160085

SCHEDULE-B NUMBER: 7318160000

9A991 ECCN:

The export classification appears above. You are responsible for all related

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

Name

A.F.S. Republic

ALCOA GLOBAL FASTENERS, INC.

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEBILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING LIBERT OF THE SHIPPI

Fastening Svstems



and the second of the second o

Shipper ID: 894595

Page:

Sold To: 5574

B/E AEROSPACE, INC.

ATTN: ACCOUNTS PAYABLE

P.O. BOX 025263

MIAMI, FL 33102-5263

USA

Ship To: 55740014

B/E AEROSPACE CONSUMABLES

9835 NW 14TH ST

MIAMI, FL 33172

USA

Shipped From:

ALCOA FASTENING SYSTEMS

AEROSPACE PRODUCTS

NEWBURY PARK, REPUBLIC OPERATIONS

1300 Rancho Conejo Blvd

Newbury Park, CA 91320

TEL: (805) 262-4200

Ship Date: 09/10/14

Print Date: 09/10/14 Time: 10:18:13

Ship Via: FED EX OVERNIGHT

Container/Weight:

Carrier Shipment Ref: 894595 INCO Terms: FCA NEWBERY PARK

Bill Lading #:

export license requirements.

Description Ln Item Number

Rev Qty Shipped

Qty B/O UM

7 RH30A5

Hex Nut, 8740, TSO-C148

22470.0

77530.0 EA

Low Height, Lightweight,
Cust Line # 7
Customer Litem MS21042L55

Customer Ltem:

M\$21042L5

Required Date: 04/02/14 Promised Date:

04/09/14

6.0

DUAL CERT TO: NAS1291-5

MFG C OF C CHEM & PHYS TEST REPORT REQ

Loc/Lot:

f-2030

51693

22,470.00

COO: mx

HTS CODE: 7318160085

SCHEDULE-B NUMBER: 7318160000

ECCN: 9A991

The export classification appears above. You are responsible for all related export license requirements.

***** ******

****** Total Qty Shipped:

181,590

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

Name

A.F.S. Republic

Lina Mustinez Welfing Mutines

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEBILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTRICATION NUMBER AND RETURN ACTUALING SACTUALITY SHIPPED AND/OR DELIVERED UNDER THESE ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEDGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON.

Alcoa	
Fastening	
Systems -	



Aerospace Products - Republic Operations

QUALITY OPERATING FORM

Document:

F-10.700.6

Revision:

Date: DCN: June 26, 2014 2370

CERTIFICATE OF TEST

WE HEREBY CERTIFY THAT ALL MATERIALS USED IN THE MANUFACTURE OF PARTS COVERED BY THE REPORT CONFORM TO THE MATERIAL SPECIFICATIONS CALLED FOR BY THE PURCHASE ORDER. WE FURTHER CERTIFY THAT THE PARTS ARE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS OR SPECIFICATIONS

INDICATING CONFO	DATE OF MANUFACTURE. TEST REPORDING MANCE WITH APPLICABLE SPECIFIC DITECT OF THE NEW PROPERTIES APPLICABLE OF THE NEW PROPERTIES APP	ATIONS ARE ON H MERCURY. THI	FILE AND SUBJECT TO EXAMINATION. S REPORT SHALL NOT BE
AFS IS IN COMPL	CTURED IN: U.S.A. MEXICO LIANCE WITH DFAR 252.225.7009 C. Markette Assurance Representative	-	9-10-14 Date
P.O. No:	0MMR88	Item No:	MS21042L5 REV.1
Quantity Ordered:	181,590	Date Cert Ordered:	9-10-14
Customer:	B/E AEROSPACE CONSUMABLES	ID No.:	51693
Description:	HEX NUT	Procurement Spec.:	NASM25027
Also Certified To:	NAS1291-5 REV.14	Additional Info:	RH30A5
Date of Manufacture:	8-25-14		Notice to Subsequent Purchaser or Repacker. These articles are imported. The requirements of 19 U.S.C. 1304 & CFR part 134 provide that the articles or their containers must be marked in a conspicuous place as legibly, indelibly & permanently as the nature of the article or container will permit, in such a manner as to indicate to an ultimate purchaser in the United States, the English name of the country of origin of the article.
HERE-IN WERE PR QUALITY CONTRO K, PARAGRAPH 21 DATA AND ARE IN	ODUCED UNDER FEDERAL AVIATION A	O THAT (A) THE PA DMINISTRATION N FEDERAL AVIA' RIALS ARE CERTI	ARTS AND/OR MATERIALS REFLECTED
TSO-C148 STA	ATEMENT: THE PARTS CONTAINED IN TO CORDANCE WITH TSO-C148. THE CONDITION OF MINIMUM PERFORMANCE STANDARDS ARILY INTERCHANGEABLE WITH OTHE MILAR DIMENSIONAL PROPERTIES MAY PROPERTIES. SUBSTITUTION OF PARTS	OITIONS AND TES S. AIRCRAFT FAS R AIRCRAFT FAS Y HAVE WIDELY N S MAY ONLY BE D	TS REQUIRED FOR TSO APPROVAL OF TENERS APPROVED UNDER THIS TSO TENERS APPROVED UNDER THIS TSO.



Results of Self-Locking Nut Testing

Conducted in accordance with EASA SIB No.:2012 06R2

Part No. MS21042L5

B/E Aerospace Control No.(s) 2014|12280

Manufacturer's Lot No. 51693

Date testing commenced = 02 Dec 2014

Date testing completed – 09 Dec 2014

Tested by - Simon Varney

Method -

- Representative sample of 22 nuts withdrawn from stock. Nuts assembled to suitable bolts and spacers to torque value referenced in EASA SIB No.:2012-06R2 Table 1.
- 2) Assembly of Self-Locking Nut, Bolt and Spacer checked post torque application to verify components correctly seated and aligned.
- 3) After 7 days the 22 nut/spacer/bolt disassembled and visual inspection conducted for indications of cracking or damage.
- 4) Evaluate and report results.

Equipment used -

Norbar Torque Wrench Serial No. 2014/288483

Calibration Certificate No.191606

Results - PASS / FAIL -

No defects were detected during visual examination of the sample nuts.

Signed

B/E Aerospace stamp No.

Date 09 Dec 2014

Limitations

The opinions expressed in this report are those of the testing engineer, the company does not accept responsibility for any action attributed to this report. The tests are conducted in a controlled environment with experienced engineers but are always subject to uncertainties, the results and the information provided are therefore not absolute.

Alcoa Fastening Systems



Aerospace Products - Republic Operations

QUALITY OPERATING FORM

Document:

F-10.700.4

Revision:

DCN:

Date:

December 9, 2011 1795

FINAL (PROCESSING, LAB, MECHANICAL TESTING) INSPECTION REPORT

Lot Numbe	r:	Part Number:	Dwg. Nu	mber:		Dwg. Rev	#: Lot Quantity:	Date:
516	93	RH30A5	N	A5M	21042		181.590	8-27.14
Procureme	•	125027	Proc. Sp	ec. Rev#:	Note: All Specific		renced Refer To Th	
SAMPLE SIZE		HARACTERISTIC DESCRIPTIO	iN ,	l in	ISPECTION MEDIA	AC	CERTANCE STAMP	PRODUCTION RELEASE DATE
NUT	Material:	wiretech, Inc. 0171520.415		Vendor (Alloy Ver	Certification ification	Section (Section)	RFM 209-1	8-26-14
CAP	Material: Heat: Size:			Vendor (Alloy Ver	Certification ification		N/A	
BASKET	Material: Heat: Size:		· · ·	Vendor (Alloy Ver	Certification ification		N/A	
CLIP	Material: Heat: Size:			Vendor 0 Alloy Ver	Certification ification		N/A	
	AMS2759 Aged Loa		eel Only		dness Tester		NA	
15	AMS-H-68 Austempe	875 S ering Load: <u>9-3-14</u>	teel Only	Tensile HRC Har	dness Tester		(RFM) 207-1	9-4-14
	AMS2410	[] AMS2411[]		Visual Ad ASTM B5	lhesion And Thicknes 688	s	NA	
80	AMS-QQ-	P-416 Class 1 [] 2 [y 3 []		Visual Ad ASTM B	thesion And Thicknes 68	s	(RFM) 207-1	9-8-14
	AMS2400)		Visual Ac ASTM B5	hesion And Thicknes	s	NA	
10	Embrittler	nent Relief		Hours St	3-50 [] Clip ress At Room Temp P 12, Test 14	er er	RFM 207-1	9-8-14
	Embrittlen	nent Relief			ours Stress At Service r NASM1312, Test 14 0 []		N/A	
80	Gold Chro	omate Treatment Type II			orkmanship y Tesi of AMS-QQ-P-	416	(RFM) 207-1	9-8-14
	Passivate	Stainless St d Per AMS-QQ-P-35, AMS270	•	Visual Hig NASM13	gh Humidity Test Per 12		NA	
		Permeability <2:0 (Air 1.0) For = 200 Oersteds	A Field	3, Corros	Per ASTM A342 Methion Resistant Steel O		N/A	
80	Non-Dest	ructive Testing Discontinuities 100% []			Particle Per ASTM Fluorescent Penetrar II E1417	nt	(RFM) 207-1	9-8-14
32 PCS		Per C-1315 Drawing			orkmanship		N/A	
27	1 -	ubricant Per AS5272 Type 1 : PC14939		Per AS52	orkmanship, Adhesio 72 riodic Salt Spray	n	(RFM) 207-1	9-9-14
	Microstruc	cture		BPS-N-70 NAS3350			NIA	
32	Threads F	Per MIL-S-8879, AS8879		Method B	, System 22		RFM 203-1	8-14-14

ALCOA

Alcoa Fastening Systems

Aerospace Products · Republic Operations

Quality Operating Procedure

Document:

F-10.706.1

Revision:

2

Effective Date: 9-25-2010

DCN:

1367

Push-Out, Torque-Out, Wrenching Torque, Tensile Test Results

LOT NUMBER		PS-N-70 AT				TE		5027 ATTRI	
51693	9 16 26 9	OT SIZE NDER 9 THRU 15 6 THRU 25 1 THRU 90 1 THRU 280 81 THRU 3200 VER 3200	3 4 5 7	OR E	SAMPLES TES XCEED THE N JIREMENTS	STED MUST ME	10M 10M 50M	T SIZE DER 10M # THRU 50M # THRU 100M ER 100M	10 15
PUSH-OUT TEST	Γ	DATE: _		MIN.		POUNDS			SH-OUT QUIREMENTS
						PASS	/ FAIL	- -1	
				JA				STAMP	
			,	1 ,					
TORQUE-OUT T	EST	DATE: _	 						RQUE-OUT QUIREMENTS
	1	Т	T	MIN.		_ INCH PO	UNDS		
						PASS	/ FAIL	7	
			/\	1/1				STAMP	
WRENCHING TO	RQUE TES	T DATE:	9-9-14			392 INCH PO		TOF	ENCHING RQUE QUIREMENTS
340 340	340	340	340	340	340	PASS	FAIL		RFM
340 340	340	340	340	340	340	340	340	STAMP	207.1)
	1	1 1		. 1		مبيصا	340	340	340
340 340	340	340	340	340	340	340	270	10/0	
340 340									(RF)
TENSILE TEST	DATE	9-9-	19 MA	CHINE SN:	2.	23753		STAMP_	(RF1 (212-
TENSILE TEST	DATE 192-23/	9-9- 7	<u>//</u> MA 25027 REQ	CHINE SN:	2. LBS	237 <u>5</u> 3	S-N-70 RE	STAMP_	(RFA 212-) LBS
TENSILE TEST TEST BOLT:	10120	7-9- 7 10120	/4 MAI 25027 REQ 10/20	CHINE SN:	2. LBS. IGH =	23753 10130	S-N-70 RE	STAMP EQOF LOAD TE	(RFA 212- LBS ST *
TENSILE TEST TEST BOLT:	72-23/ 10120	7-7- 7- 10120 10120	19 MAI 25027 REQ 10120	CHINE SN:	2. LBS. IGH =	237 <u>5</u> 3	S-N-70 RE	STAMP_	LBS ST *
TENSILE TEST TEST BOLT:	72-23/ 10120 10120 10120	7-7- 7- 10120 10120 10130	14 MA 25027 REQ 10120 10120	CHINE SN:	2. LBS. IGH = OW =! R =	23753 10130 10120 10	S-N-70 RE PROC TEST (RANGE =	STAMP_ FQ OF LOAD TE	LBS SST * URE S LOW)
TENSILE TEST TEST BOLT: 2 0/20 0/20 0/20 0/20 0/20 0/20	72-23/ 10120 10120 10120 10120	7-7- 7- 10120 10120 10130 10120	19 MA 25027 REQ 10120 10120 10120 10120	CHINE SN:HI	2. LBS. IGH = OW =! R = X =!	23753 BE 10130 10120	S-N-70 RE PROC TEST (RANGE =	STAMP_ EQ	LBS SST * URE S LOW)
TENSILE TEST TEST BOLT:	72-23/ 10120 10120 10120 10120 10120	7-7- 7- 10120 10120 10130 10120	14 MA 25027 REQ 10120 10120	CHINE SN: 120 HI L	2. LBS. IGH = OW =! R =	23753 10130 10120 10 10 0120	S-N-70 RE PROC TEST (RANGE =	STAMP_ EQ	LBS SST * URE S LOW)

Alcoa Fastening Systems



Aerospace Products · Republic Operations

QUALITY OPERATING FORM

Document:

F-10.703.1

Revision:

4

Date: DCN:

November 9, 2011 1714

FINAL TORQUE AND HARDNESS TEST RESULTS

Lot Number:	Part Number:	Dwg. Number:	Dwg. Rev#:	Lot Quantity:
5/693	RH30A5	NASM21042	/	181,590

BPS-N-70 A	TTRIBUTE PLAN		Other:	EDGERON (CISS	25027 AT	TRIBUTE PLAN	
Lot Size	Sample Size	Accept	Sample Size	Accept	Lot Size	Sample Size	Accept
UNDER 9	2	0			Under 10M	5	0
9 THRU 15	3	0			10M THRU 50M	10	0
16 THRU 25	4	. 0			50M THRU 100M	15	0
26 THRU 90	5	0			OVER 100M	27 /	0
91 THRU 280	7	0					
281 THRU 3200	13	0					
OVER 3200	15	0				·	

						ŢΟ	RQUE T	EST.			T ipin			
Test B		705				Lot#: 2 <i>コフ</i> _	3 M		Date:	-9-,	14	Stan	ip: (RFM 207-1)
								NOTE: Record all cycles exhibiting values exceeding or not meeting maximum or minimum requirements as described in QOP 10.703, paragraph 8.7 and 9.11.				es .		
CY	ON	BRK	ON	BRK	ON	BRK	ON	BRK	ON	BRK	ON	BRK	ON	BRK
1	32.0	27.0	32.0	<i>30</i> ·0	<i>37.0</i>	39.0	38·D	<i>39</i> ·0	30.0	26.0	32.0	33.0	420	380
7	26.0	26.0	33.0	32.0	27.0	29.0	29.0	31.0	280	23.0	28.0	29.0	37.0	390
15	180	28·0	280	20.0	320	330	280	28.0	200	20.0	28.0	20.0	280	32.0
1	370	29.0	28.0	27.0	33.0	340	320	300	30.0	27-0	30.0	32.0	300	31.0
7	250	20.0	25.0	23.0	27.0	31.0	27.a	25.0	23.0	22.0	250	27.0	270	280
15	250	25.0	200	27.0	270	300	240	27.0	28-0	240	280	23.D	280	280
1	42.0	38.0	37.0	3C.0	37.0	38.0	280	26.0	32.0	29.0	370	35.0	37.0	370
7	400	37.0	36.0	31.0	37.0	330	280	28.0	290	300	330	31.0	340	340
15	370	33.0	<i>3</i> 2·0	270	28·0	31.0	28.0	28.0	29-0	28-D	<i>30</i> 0	29.0	28·D	290
1	370	32.0	33·0	270	400	35.0	340	320	37-0	36.0	170	28.0		
7	320	310	<i>30</i> 0	27.0	310	3/0	230	25.0	350	33.0	29.0	330		
15	330	31.0	250	25.0	280	29.0	270	240	280	32·0	27.0	26.0	! ! !	

CONVE		ROM 30N ASTM E		O HRC	HRC Red	quirement	Max.:	49	D:	ate: 9 -	4-1	4	Stamp	(RFM) 207-1	
HRC	47	47	46	46	46	45	46	48	46	46	46	46	45	45	45
30N	65.9	65.4	64.8	64.6	64.4	64.2	64.4	66.5	65.1	65.1	64.7	645	64.1	64.2	64.
15N*															



SOLD TO

ALCOA/REPUBLICE FAST. 1300 Rancho Conejo Blvd. Newbury Park, CA 91320 USA

CERTIFICATION

WORK ORDER **103073**

HEAT NO. 20171520 SALES ORDER / RLS 852300 / 1 ISO 9001-2000 REGISTERED



MECHANICAL TESTING CERT # 911.01

CERT# 911.01

CUSTOMER P.O. CUSTOME 220698434	R PART	QUANTITY 4,190 L	CARRIERS _bs 4	LADING NO 00107652	SHIPMENT DATE 01/03/2014
SPECIFICATION R108740-10415 A-8740, AQ, SKFG, CHQ WIRE Size:0.414/0.416 Specification	E, SEAM & DECARB FI				ating,
CERTIFICATION REQUIREMENTS					
	Chem	ical Propertie	es		
C Si Mr .40 .24 .86	s	.09	Ni Cr .42 .53	Mo /	
	Physi	cal Propertie	s		
Grain Size Jominy 1 Jo 6 0 0			Macro Cleanli GOOD F&S=0	iness Mill Sou Charter	rce
Country of Origin USA - DFAR Compliant					
	Mechar	nical Properti	ies	•	
TEST Tensile Strength	<u>units</u> KSI				Results 82.8
Yield Strength % Elongation	KSI %				70.4 30
% Reduction of Area Rockwell Hardness B Scale	% HRB (s)				74.7 86
Decarb (Total)	In				0.00
				RFM	
			14-512	AV (E	N. S. S. S. S. S. S. S. S. S. S. S. S. S.
Merchandise covered by this invoice is warranted to be recognized unless presented in writing within 10 days trepayment of it, or to repayment of the purchase price considered if manufacture has been commenced. Buy hereof. The recording of false, licitious or fraudulent is REPRODUCTION OF THIS CERTIFICATION IS Now wire Tech., Inc. metallurgical laboratory is accredite metallographic mount preparation per ASTM E.3, decarthe reported Chemical and Physical Properties are the specified, HAB and HBC results are conversions from laboratory that is not accredited are not endorsed by ATEST RESULTS RELATE ONLY TO THE ITEMST.	trereor, as we elect, Material cut to spee, y, by acceptance of the merchandise co- tatements or entries on this document in lott ALLOWED UNLESS IN FULL. and in the following test chemical analysis tourization depth per ASTM E 1077, IFI it Source results. Transcribed from milk ASTM A370 tables 1 and 2. *Test result 2. *T	ctile tength or size cannovered by this invoice, a may be punished as a fi is per ASTM E 416, me 140, inclusion rating procertificates. HRB(W) ar	not be returned for credit and ir agrees to the foregoing terms-a elony under Federal statutes in echanical testing per ASTM A 3 er ASTM E 45, decarburization re hardness results performed	equest for cancellation of such and conditions and those set fo ncluding Federal law, Title 18, C 370, Rockwell hardness per AS n performed as per IFI 140, with a 1/16° carbide ball. Unles	crears will not be with on the reverse chapter 47.* TME 18, as otherwise by a subcontractor & 225,003(9)

qtc302 (v1.1)

page 1 of 1

Garry Goodson

Gary Sanbort

Material is free of mercury, radium, or alpha contamination.

01/03/2014



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

800 EA NAS1149F0432P

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MED DATE EYE DATE

Y1527

ANILLO INDUSTRIES

10630

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

ANILLO Industries, Inc.

2090 NORTH GLASSELL STREET, ORANGE, CA 92865-3391 USA PLEASE REMIT TO

P.O. BOX 5586 ORANGE, CA 92863-5586 USA (714)637-7000 (562)924-6632 FAX(714) 637-3022

AS9108 HANCAP CH 190 9001 CERTIFIED

569544

Packing List & Certification

· WE ACCEPT VISA/MASTER/DISCOVER/AMEX

B/E AEROSPACE, I ATTN: ACCOUNTS 10000 NW 15TH TE	PAYABLE DEPT.	1165	B/E CON 983	AEROSPACE, NSUMABLES M 5 NW 14TH ST MI,FL 33172	IANAGEMENT	E
DATE ORDER REC'D	ORDER NUMBER			INVOICE DATE	SHIPPED VIA FEDXG 033101490	TERMS 1% 10 DAYS, NET 30
12/07/2011 ITEM ORDEREI			DES	CRIPTION	<u> </u>	NET WEIGHT
0.070.04	NAC44	10E0422D				

50(2077) REV 5 /LOT#Y1527 /MIN/MAX /QCR:1,4,6,8,15,16/AN960-416L ECCN: 9A991 Schedule B#: 7318.22.0000 COO: USNLR

above is manufactured in accordance with the material and processing specifications of this order. 2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are on 2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are office and are available for examination on all Anillo manufactured parts. All claims for errors or shortages must be made within 10 days after receipt of goods. No good to be returned without written authorization. All claims for defective material must filed within 30 days of shipment to receive consideration. We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of the products sold, if claimed within the specified time limit above.

<< R.M.A.# REQUIRED FOR RETURNS >>

<< TO THE BEST OF OUR KNOWLEDGE, PARTS ARE MERCURY FREE >>

B/E Aerospace, Inc. **Consumable Management** Self Release

Signature & Stamp:

Date:

Ben Omidwar, Quality Assurance Manager

FI 4.03.05

CERTIFIED TEST REPORT



Calstrip Steel Corporation



7140 Bandini Blvd. * Los Angeles, CA 90040-3388 (323)726-1345 * Fax (323)722-8269

Customer: Address:

HIGHTOWER METAL PRODUCTS

P.O. BOX 5586

ORANGE, CA 92613-5586

Order Number:

S95003 / W121134

Customer PO: Shipped Date: 33137 04/22/2014

Packlist ID:

163921

Part ID:

H280.1020031-CS

Description: CS1020 .031 X 3.630 X COIL

Drawing #: H280.1020031

Rev#:

Material Spec:

CS 1020

AMS 5046D

HeatID: 052944

CHEMICAL ANALYSIS

С	Mn	P	s	Si	Ni	Cr	Cu	Mo	Resi
0.1830	0.3890	0.0050	0.0090	0.0100	0.0100	0.0200	0.0220	0.0010	42
W	V	Sn	Ti	Al	Ca	Zr	Co	N	В
	0.0010		0.0010	0.0360				0.0060	

MECHANICAL AND PHYSICAL PROPERTIES

Yield	Tensile	Elong %	Hardness	Bend Test
38,800	57,600	29.0	HRB 70	OK

Grain Size	Olsen Test	Spher%	Decarb	Reduct %
7	·			

Skid Numbers	# of Coils	Weight
W121134-10	2	1.446
W121134-5	3	2,324
W121134-6	3	2,228
W121134-7	3	2,266
W121134-8	3	2,224
W121134-9	2	1,472
	16	11,960

Comment:

SOURCE-POSCO (USA)

CERTIFIED COPY OF ORIGIN

We hereby certify that this document is correct copy of reports now on file at An Industries, Inc.

Date:

MAY 2-0 2014 NAS 149 1 04328

All work on this order has been performed in accordance with the Company's Quality Assurance Manual.

Title:

MARIO VARGAS

Signature:

Part Number:

41527 Highterer 17 Prices kyle

Quality Records Cle

Form #:

Print Date: 4/22/2014 **V**Technical Services

AN960-9166

Page: 1

Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191 Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

200 BA CR3213-5-03

CUST REF#

LOT-NUMBER

MANUFACTURER CCODE MFR DATE EXP DATE

87536267

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Form 67 Rev 1.0





PACKING LIST

Order No: S0325901 Order Date: 06/12/08

Print Date: 08/31/11

Page:



Sold-To: 10015341

1224 East Warner Avenue

Post Office Box 2157 Santa Ana, CA 92707-0157

B/E AEROSPACE 0 PO BOX 025263 MIAMI, FL 33102-5263 D **USA** T Õ

Ship-To: 19000244

B/E AEROSPACE INC C.M. 10000 N.W. 15TH TERRACE **MIAMI, FL 33172** USA

Т 0

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P

Purchase Order: 0FJ829

Ship Via: -FEDEX*FREIGHT-

FOB: Origin - Collect

Salesperson (s):110

Credit Terms: Net 30 Net 30

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0 IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

FASTENERS ECCN: 9A991d SCHEDULE B# 8803300010

TOOLS ECON: FAR99 SCHEDULE B# 8467290095

	TOOLS ECCIV. EARS	3CHEDOLE B# 8407290095		
		Site	Qty Open	Promised
Ln	Item Number	T LocationLot/Serial	Qty to Ship UM	Shipped
	W 1			

Customer Item: S2906-5-3

NAS9301BNS-5-03 NAS9301B-5-03 M7885/2-5-03 ASNA0078A503

CR3213-5-03

* IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7014 ALT I

1600

* PREFERENCE FOR DOMESTIC SPECIALTY METALS **EZLINE-3 87536267**

34329.0

EΑ

TEST REPORTS ENCLOSED DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative

10/03/11





Nadcap

Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab

Final Inspection & Test Report CherryMax® Rivet

1224 East Warner Avenue Santa Ana, CA 92707-0157

An ISO9001 and AS9100 registered company. OASIS #6111041606

Part Numbers	Rev Proc. Spec.	Rev		
CR3213-5-03 CR3213PR-5-03	AB PS-CMR-3000 AB PS-CMR-3000	R R	Lot I.D. No.:	87536267
	7.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00		Lot Size:	35,000
** See 2	and Page for the Customer Part	MFG. Date:	August 31, 2011	

ASSEMBLY DATA

TYPE	ID#	CERT#	MATERIAL	FINISH	LUBE
Rivet	87531508	A67467	QQ-A-430/5056	MIL-C-5541 CLEAR CL1A	None
Stem	87531516	A67635	AMS6322 / 8740ST	QQ-P-416/T2CL2/CAD PL	None
Collar	00000000	A67505	A-286 / AMS5731	Passivate per AMS2700	None

W.O. #: 5447985 Final Lube: None

	INSTALLED S	HEAR	TENSIO	N	ŚPI	DISASSEMBLY		
MIN REQ'D	840		445			200		10
SAMPLE SIZE	8 N/A		N/A 8		5	8	N/A	5
SPECS	C-N-M	В	C-N-M	В	C-N-M	М	В	C-N-M
RESULTS	1365		572		543	400		67
ļ	1273		569		535	384		100
	1354		566		489 541	434		50
	1317		576			404		68
	1336		571		512	396		83
C=CR N=NAS	1258		572			412		
M=MIL B=BAC OAD VALUES	1349		570			410		
IN POUND	1315		595			385		

PCS.	<u>ITEM</u>	STATUS	PCS.	<u>ITEM</u>	STATUS
<u>20</u>	EXAMINATION	PASS	<u>20</u>	INSTALLATION (Min and Max Grips)	PASS

Comments:	Tr. Rev: -	Q Code
Blind Fastener	Rev. Date: 8/31/2011	V09
	Inspector	M
	D Rice	ACC 377

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.

The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

200 EA CCR264SS-3-02

CUST REF#

LOT-NUMBER

MANUFACTURER CCODE MFR DATE EXP DATE

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/1



Cherry Aerospace



Т

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PACKING LIST

ue 157 Order No: SO325868 Order Date: 06/11/08

Print Date: 12/28/10

Page: 1

1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157

Sold-To: 10015341

S B/E AEROSPACE
O PO BOX 025263
MIAMI, FL 33102-5263
USA

Ship-To: 19000244

B/E AEROSPACE INC C.M.
10000 N.W. 15TH TERRACE
MIAMI, FL 33172
USA

Salesperson (s):110

Т

0

Credit Terms: Net 30

Net 30

Purchase Order: 0FJ315

Ship Via: FEDEX NATIONAL CL

FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0
IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE
DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS
DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

DO NOT SMP CARLIER TMAN 1990 (2) VALERS FINON TO DOL DATE, GREEDS OF COLLECT

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

FASTENERS ECCN: 9A991d SCHEDULE B# 8803300010

TOOLS ECCN: EAR99 SCHEDULE B# 8467290095

Promised Qty Open Qty to Ship UM Shipped T LocationLot/Serial l n Item Number EΑ 02/01/11 1600 CCR264SS-3-02 6 Customer Item: S1972-2 * IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7014 ALT I * PREFERENCE FOR DOMESTIC SPECIALTY METALS 1 (1777) 1 (1884) 1 (1881) 1 (1881) 1 (1874) 1 (1874) 1 (1884) 1 (1874) 1 (1874) 1 (1874) 1 (1874) 1 (1874) 1 9600.0 B0503 87427442 EZLINE-2 87427447 43000.0 96300.0 EZLINE-2 87427448 H FOCUS LUNIX HATU ERRA MEN LUTTA TILAH 18703 198 KATU M0402 87427443 38600.0

TEST REPORTS ENCLOSED DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative

Signed

SIM NOUYEN



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

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FIRM: DART AEROSPACE LTD.

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

1000 EA MS21043-3

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

M021200-000

ALCOA KAYNAR FULLERT 15653

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

orm 67 Pov. 1 0

Alcoa **Fastening Systems**



Packing_Slip

Packing Slip: 9948069751

Page: 1

Bill To: 5574 B/E AEROSPACE, INC. P.O.BOX 025263 MIAMI FL 33102-5263 USA

Ship To: (14) B/E AEROSPACE CONSUM MGMT 9835 NW 14TH ST MIAMI FL 33172 USA

From:

ALCOA FASTENING SYSTEMS AEROSPACE PRODUCTS FULLERTON OPERATIONS 800 SOUTH STATE COLLEGE **FULLERTON CA 92831**

Notice to Subsequent Purchaser or Repacker. These articles are imported. The requirements of 19 U.S.C. 1304 & CFR part 134 provide that the articles or their containers must be marked in a conspicuous place as legibly, indelibly & permanently as the nature of the article or container will permit, in such a manner as to indicate to an ultimate purchaser in the United States, the English name of the country of origin of the article.

Order	Con	ta	.ct	:
-------	-----	----	-----	---

Pack Date Order # Cust PO

Ship Via

Weight Pkgs #

08/28/13 F433565 OFRW45

Line/Rel

H41-3

************************************** Ordered

C/I: MS21043-3 Rev. 3

PO Item #: 2

Cust Date: 06/10/13 Kay Date: 08/24/12

*** TSO C-148 APPVD PART. TSO LABEL REQ'D ***

Lot: M021200-000

COO: MEXICO

Waybill:

ECCN: 9A991 Schedule-B Number: 7318.16.0000

HTS-Code: 7318.16.0060

The export classification appears above. You are responsible for all related export license requirements.

> MFG C OF C CHEM & PHYS TEST REPORT REQ ** DUAL CERT TO NAS1291C3 AND LS8859-3

SHIP VIA : FED EX AIR BUYER: CRISTINA SANCHEZ

PHONE:

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

MICHELE M. VARELA Quality Manager **Fullerton Operations**

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653 • Eagle Products: Cage Code 66776 • Rosan Products: Cage code 66776

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGGED DISCREPANCY IN QUANTITY, QUALITY, ETC. SETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CUSTOMER'S COPY

Alcoa **Fastening Systems**



Packing Slip

Packing Slip: 9948069751

Page: 2

Bill To: 5574 B/E AEROSPACE, INC. P.O.BOX 025263 MIAMI FL 33102-5263 USA

Ship To: (14) B/E AEROSPACE CONSUM MGMT 9835 NW 14TH ST MIAMI FL 33172

USA

From: ALCOA FASTENING SYSTEMS AEROSPACE PRODUCTS FULLERTON OPERATIONS

800 SOUTH STATE COLLEGE FULLERTON CA 92831

Order Contact:

Pack Date Order # Cust PO

Ship Via

Weight Pkgs #

08/28/13 F433565 OFRW45

Ordered 25-7

METALS" WITH ITS ALTERNATE 1. ***SHIP VIA FEDX AIR COLLECT ACCT# 0331-0149-0 IF 150 LBS OR MORE: SHIP FED

EX FREIGHT ECONOMY COLLECT ACCT# 018757.

DO NOT SHIP BY ANY OTHER WITHOUT PROPER WRITTEN AUTHORIZATION.

ALLOWABLE SHIPPING TOLERANCE = +0%-0 %. ** BAR CODE PER QAP 33 CLAUSE P REQUIRED

** QAP 33.0 REV F CLAUSES: A,A.1,B,C,E,H ,P,U,V. CLAUSE A.3 GENERAL TERMS

APPLIES. *** PER JESSICA 8/24 PULL IN MARCH & JUN E SCH FROM 2013 TO ASAP VB 8/24

chem & phys certs

CERTIFICATE OF CONFORMANCE

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ACCOMPANY ALL RETURNS, ANY CLAIM BASED ON AN ALLEDGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIV
DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATE HAN NINETY (90) DAYS AFTER THE SHIPPING
HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001
FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CUSTOMER'S COPY

Date Created: Wednesday, 28 August, 2013 01:53:12574PPER#: 9948069751

Alcoa Fastening -**Systems**

Aerospace Products

Fullerton Operations 800 S STATE COLLEGE BLVD FULLERTON, CA 92831



TEST REPORT

NO 8190060

Page 1 of 3

Lot No.

M021200-000

Supplier Item No. Supplier Part No. H41-3 **AAT840** Interchange Part No. Interchange Part No. Interchange Part No. H41-3 525-595-9005 Rev. N GTS297-4 Rev. 3 Interchange Part No. Interchange Part No. Interchange Part No. N8862175/E Rev. 5a LS8859-3 Rev. A MS21043-3 Rev. 3 Interchange Part No. Interchange Part No. Interchange Part No. NAS1291C3 Rev. 13 NAS1291A3 Rev. 13

Thread Size Generic Description Manufactured Quantity Mfg. Date .1900-32 **NUT 6 POINT** 91746 01/16/13

PLATE/COAT **HEAT TREAT** AMS-H-6875 REV. B AMS 2410 REV. K

PERFORMANCE Non-Destruct NASM25027 REV. 1 ASTM E1417 REV. 11 E1 SAMPLE

Material Supplier Material Spec. # Mill Heat No. Control Heat No. AA18631C CARPENTER TECHNOLOGY CORP AMS 5731-L 567379

Special Process Requirements:

THREADS AND GAUGING PER AS8879 Rev.DR12 and ASME B1.3M SYS. 22

MIN EQUALS BKWY MAX EQUALS INST.

* CONFORMS TO AMS5732J AFTER HT TREAT **MAGNETIC PERMEABILITY LESS THAN 2.0**

TEST RESILTS

				ESI RESU	DIS			
No. Description	JOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
1 - 010 TORQUE TEST	IN#	1	1	9.80	9.55		2.00	18.00
18 lbs max install./2.0 lbs min bkwy.		i	7	7.65	9.40			
			15	7.30	8.60			
		2	I	4.35	4.95			
			7	3.75	3.95			
		j	15	3.95	4.20			
	1	3	1	5.55	5.40			
			7	4.45	5.05			
	1		15	4.20	4.55		,	
	1 1	4	1	4.85	6.00			
	1 1		7	3.95	4.70			
			15	3.95	4.25			
		5	1	6.60	6.40			
			7	6.90	7.55		,	
			15	6.25	7.50			
		6	1	7.90	. 8.30			:
			7	7.65	7.50			
			15	7.85	7.65			
	1							

TEST RESULTS - Continued on next page.

THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATES ONLY TO THE ITEMS TESTED

The product identified on this Certificate has been manufactured, tested and unless otherwise noted, conforms in all respects to the applicable drawings, specifications and standards. Complete reports of physical and chemical tests are on file for examination. If no specified customer quality level is required, goods conform to sellers quality level. All Damages Exceeding Price are Excluded. For items certified to BPS-N-70 alloy verification has been performed on parts with a date of manufacturing on or after January 1, 2001. Quality system sampling plan conforms to the requirement of QAP EQ001, QAP EQ002, QAP EQ003. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

MICHELE M. VARELA, QA MGR.

LCOA GLOBAL FASTENERS, INC



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191 Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

1200 EA MS21042L4

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

45781-000

MACLEAN-ESN

019L2

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/1

MACLEAN-ESNA A MACLEAN-FOGG COMPANY POCAHONTAS, ARKANSAS 72455

CERTIFICATE OF QUALITY COMPLIANCE

10/28/2014 DATE: M52LF3324-4 ESNA PART NO. TO: B/E AEROSPACE MANUFACTURER'S LOT SIZE 486468 (APPROX. WT. COUNT) 9835 NW 14TH ST MANUFACTURED UNDER SHOP ORDER NUMBER 45781 - 000 MIAMI, FL 33172 ORIGINATED AS SHOP ORDER NUMBER 0PYW91 CUSTOMER PO #: PACKING LIST #: 080310 ESNA ORDER #: QTY PACKAGED: 266247 MS21042L4 & NAS1291-4 CUSTOMER PART #: ACCEPTANCE TESTS PER NASM25027 REV 1 DATE MFG: 06/30/14 RAW MATERIAL TYPE .281 4037 WIRE **MATERIAL** AS EVIDENCED BY THE ATTACHED MILL CERTIFICATION. ESNA SHOP RAW MATERIAL CONFORMS TO AMS 6300E VENDOR WIRE TECH - 000 MILL HEAT NO. 10303760 ORDER NO. 45781 CAD. PLATE TO SAE AMS QQ-P-416B, TY II, CL 2 FINISH TYPE FINISH EVERLUB 620C DRY FILM LUBE PER AS5272 TYPE I LUBRICANT TYPE ACCEPTED 23 HRS STRESS EMBRITTLEMENT LOADED TO 33 IN LBS. MIN. ALL SAMPLE PIECES TESTED MEET OR EXCEED REQUIRED LBS. MINIMUM AXIAL STRENGTH MINIMUM REQUIREMENTS. 6490 EXCEEDS LBS. PIECES. SAMPLE SIZE 15 HARDNESS REQUIREMENT RC 43-46 IS 43-45 CONFORMS DIMENSIONALLY TO MS21042L4 PER NASM21042 REV 1 & NAS1291-4 REV 14 STANDARD. WORKMANSHIP BEARING SURFACE SQUARENESS AS SPECIFIED PER NASM25027 REV 1 DISCONTINUITIES AND MIL-STD-271D/ACN 1/ AND REV E/ NOTICE 2/ AND REV F/ NOTICE 1. WITHIN LIMITS PER NASM25027 REV 1 SAMPLE SIZE(MT - PCS): MT PER SPEC 718 X ASTM E1444/E1444M REV 12 ACCEPTED(PCS): 50 SAMPLE SIZE(PT - PCS): PT PER SPEC 731 N/A ACCEPTED(PCS): This is to certify that all applicable plating, heat treating, and inspection processing and that all material used in the manufacture of subject parts conform to the specification or drawings received by ESNA and set forth in the subject purchase order; that the parts are of good material and workmanship; and that all necessary records, including chemical and physical where applicable, will be made available for review upon request. The inspection and test reports provided represent the actual attributes of the items furnished on this contract and indicate full compliance with all applicable specification and contract requirements. This is to certify that the materials supplied against the subject order are free of contamination by presence of mercury.

FSCM/CAGE NO. 019L2 QAF68 REV. 10-2-14 SIGNATURE Mara Kuldow
TERESA MELTON, QUALITY ASSURANCE MANAGER
Mara Kildow, Quality Technician



WORK ORDER 104436

CERTIFICATION

HEAT NO. 10303760 SALES ORDER / RLS 853210 / 1 ISO 9001-2000 REGISTERED



MECHANICAL TESTING **CERT # 911.01**

Maclean - ESNA 611 Country Club Road Pocahontas, AR 72455

· SOLD TO

USA

CERT# 911.01

SHIPMENT DATE LADING NO QUANTITY **CARRIERS CUSTOMER PART** CUSTOMER PIO. 00110969 06/30/2014 2.135 Lbs 2 0420070281 26302-00 SRECIFICATION M054037-102810A A-4037, AQ, SKFG, CHQ WIRE, SEAM & DECARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size:0.279/0.283 Specifications: AMS 6300 E, 1042C CERTIFICATION REQUIREMENTS **Chemical Properties** ノMo Cu Ni Cr 9 Ċ Si Mn ₽ . 08 .21 .05 .16 008 . 25 .75 .008 . 37 **Physical Properties** Grain Size Jominy 1 Jominy 2 Inclusions Macro Cleanliness Mill Source F&S=0 Charter S2-R1-C2 GOOD 6 J1=55 J5=34 45781-000 Country of Origin USA - DFAR Compliant **Mechanical Properties** Results UNITS TEST 70.3 **Tensile Strength** KSI 59.7 KSI **Yield Strength** 25 % % Elongation 71.1 % % Reduction of Area RECEIVED 79 HRB (s) Rockwell Hardness B Scale 0.00 Decarb (Total) JUL 0 7 2014

034 62

Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not fer any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material and its pecific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandse covered by this invoice, agrees to the furgoing terms and conditions and those set forth on the reverse considered if manufacture has been commenced. Buyer, by acceptance of the merchandse covered by this invoice, agrees to the furgoing terms and conditions and those set forth on the reverse considered if manufacture has been commenced. Buyer, by acceptance of the merchance of the third provided in the following lengthse covered by this invoice, agrees to the furgoing terms and conditions and those set forth on the reverse considered in the following least chemical entire provided as a telony under Federal statutes including Federal law. Title 18, Chapter 47.*

REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.

Wire Tech, Inc., metalhorized laboratory is accredited in the following less: chemical entire per ASTM E 45, decarburization performed as per IFI 140.

The reported Chemical and Physical Properties are Melt Source results. Transcribed from mill certificates. HRB(M) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. Tost result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. Tost result no

Garry Goodson Hang Market

The following statements are applicable to the material described on the front of this Test Report:

- 1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States meeting DFARS compliance, LEEDS compliance, REACH compliance, ROHS-WEEE compliance, and Conflict Materials Restrictions.
- 2. Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury during processing.
- 3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
- 4. The laboratory that generated the analytical or test results can be identified by the following key:

			tory	Address
0358-01	7388	CSSM	Charter Steel Melting Division	1635 Cold Springs Road, Saukville, WI 53080
0358-02			Charter Steel Rolling/ Processing Division	1635 Cold Springs Road, Saukville, WI 53080
0358-03	123633	CSFP	Charter Steel Ohio Processing Division	6255 US Highway 23, Risingsun, OH 43457
0358-04		CSCM/ CSCR	Charter Steel Cleveland	4300 E. 49th St., Cuyahoga Heights, OH 44125-1004
•	•	••	Subcontracted test performed by laborator	y not in Charter Steel System

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

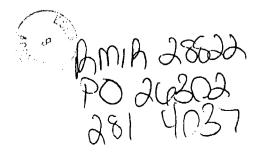
Test	Specifications	CSSM	CSSR/ CSSP	CSFP	CSCM/ CSCR
Chemistry Analysis	ASTM E415; ASTM E1019	X			Х
Macroetch	ASTM E381	х			X
Hardenability (Jominy)	ASTM A255; SAE J406; JIS G0561	×			X
Grain Size	ASTM E112	X	X	X	X
Tensile Test	ASTM E8; ASTM A370		Х	Х	X
Rockwelli Hardness	ASTM E18; ASTM A370	X	X	X	X
Microstructure (spheroidization)	ASTM A892		X	X	
Inclusion Content (Methods A, E)	ASTM E45		X		<u> </u>
Decarburization	ASTM E1077		X	X	X

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 1/31/15. All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They

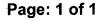
do not apply to any other sample.

- 7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions:
 - It may be distributed only to their customers
 - Both sides of all pages must be reproduced in full
- 8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Sales Order number) to the customer's purchase order. Both order numbers appear on the front page of this Report.
- 9. Where the customer has provided a specification, the results on the front of this test report conform to that specification unless otherwise noted on this test report.





45781-000





P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

MS17984C413

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

1438754

AVIBANK MFG.

84256

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Form 67 Rev 1.0

AEROSTRUCTURES DIVISION, A **PCC** COMPAN

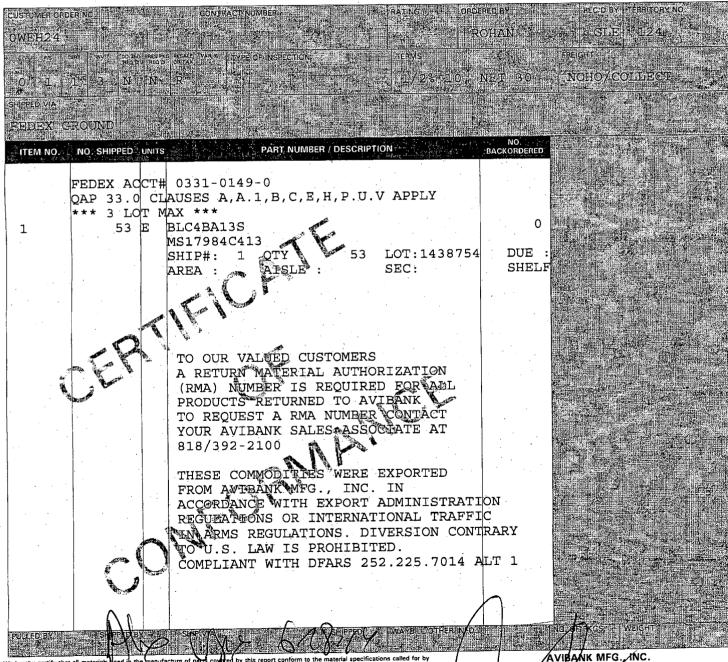
11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094
No ozone depleting substances used in processes.



103866 B/E AEROSPACE, INC. (MIAMI) 10000 N.W. 15TH TERRACE MIAMI, FL USA 33172

B/E AEROSPACE CONSUMABLE MGMNT 9835 NW 14TH ST MIAMI, FL 33172 USA



depleting substances were used in processes. Parts are mercury free of contamination. WI-14-AMS-004 REV:NC

LITY CONTROL REPRESENTATIVE



PHONE: (818) 392-2100 • FAX: (818) 255-2094

CERTIFIED TEST REPORT

1 of 1

CUSTOMER: B/E AEROSPACE, INC. (MIAMI)

SHOP ORDER NO./WORK ORDER NO.: 1438754

CUSTOMER P/N: MS17984C413

CUSTOMER P.O.: 0WEH24

QTY. SHIPPED: 53

AVIBANK P/N: BLC4BA13S RV. N

PART NAME:

S/A STANDARD

PROCUREMENT SPEC: NAS1332

BODY WO.: 1439079 QTY. MFG'D: 53

PROCESS	PROCESSOR INTYPE/CLASS SPECIFICATION	
ANODIZE	K & L ANODIZING CORP. BURBANK, CA. II/2 MIL-A-8625'F'	
HEAT TREAT	AVIBANK MFG., INC., NO. HOLLYWOOD, CA. CH900 AMS2759'E'	
HEAT TREAT	AVIBANK MFG., INC., NO. HOLLYWOOD, CA. HRC 40 MIN AMS2759'E'	
PASSIVATE	AVIBANK MFG., INC., NO. HOLLYWOOD, CA. 2 AMS2700'E'	
\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.		

NO/	**BOLT-TENSILE(LBS))	TORQUE (INELES.)	*RETANING DEVICE TINSILE (LBS.)	(F) SHEAR (LBS))
1.	N/A	N/A	274 NF	10,174
2.	N/A	N/A	292 NF	10,113
3.	N/A	N/A	268 NF	10,100
4.				
5.	. w			
REQT.	N/A MIN.	N/A MIN.	230 MIN.	9,200 MIN.

* BF = BALL HOLE FAILED. * TF = THREADS FAILED. * NF = NO FAILURE.

** (S) = SINGLE SHEAR. ** (D) = DOUBLE SHEAR.

THESE PARTS WERE LAB TESTED PER 'NAS' ROMTS AND FOUND ACCEPTABLE.

SALES ORDER NO. 690479-0137.

AVIBANK MFG., INC. CERTIFIES THAT THE PARTS LISTED ABOVE WERE MANUFACTURED IN COMPLIANCE WITH YOUR PURCHASE ORDER, ALL TEST AND INSPECTION REPORTS ARE ON FILE AT AVIBANK FOR VERIFICATION.

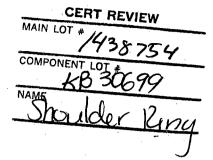
AUTHORIZED SIGNATURE: WI-03-CTR-005 rev NC

NORMA CASTANAZA



06/28/14 DATE:

Job # 2930





FAST LANE PRECISION

Certificate of Conformance

Customer: Avibank MFG

Part Number: 16-4C

Rev: AC

Description: Shoulder Ring

Heat #: H1A1

Order Quantity: 20000

Material #: C1769

Customer Purchase Order: 753872

Remarks

Parts were manufactured from documented work instructions, using approved suppliers and processors. All components have been inspected and approved with inspection and certification on file at our facility.

Quality Assurance Representati

APR 1 1 2014

NORTH AMERICAN STAINLESS

SNABIUS METALLURGICAL TEST REPORT

abin To:

6870 Highway 42 East Gheut, KY 41045-9615 (582) 347-6000

Mail To: Certificate: 833261 02

Round Bar, Annealed, Cold Draw

SUMMET STAINLISS STEEL, LLC. 2001 ELISABETH STREET

RORTE BEDNEKICK

SUDDIT STAIRLES STEEL, LLC. 2848 U.S. 20 A TI 77478 EUGLRLAND

Date: 5/06/2013 Page: 1 Of-Steel: 303

Length

Corresion:

Finish: Cold Draw

Dia/Thk: .4063 in Leg Longth:

144.00 in

0370 002 Customers

stabro BAR

Your Order:

604 MA52492

PRODUCT DESCRIPTION:

ASTM A582/12 EN 10204 3.1, ASTM A484/11 AME 5640U TYPE 1, QQS-754B COMDITION A SOLUTION AMSEAL TEMP 1900F MIN

Item Code:

REMARKS: COMPLIES W/REQUIREMENTS OF DEAR 252,225-7014A-1 MU DIRECTIVE 2011/65/EU.ROMS. MAF+AOD+CC. NO WELD REPAIR, MELTED AND MFG IN USA PREE FROM MERCURY AND LOW MELTING ALLOY COMPANIMATION

															Page 27 -	27-1-22
6.0.	44.1.4 Transfile	Weight	Bundle V	elaht	Aundle 1	Meight B	· allbay	Wedght.	Bradle	Weight	Beriefice	Wedght	Statute.	M61GDL		
Bindle .	Mercus Marris	Merchen.							-							
BF39576	2500															

Chemical Analysis per ASTN 3751/08 CHI(Country of Helt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) CHEMICAL ANALYSIS

<u> </u>	m 2 d	COX	C &	CO *	CR %	CU %	30f %	# C36	. = %	NI 4	P %	B %
HIAL	Supplier 6	TE TE	-056	,17	17.31	.25	1.80	.26	.045	8.47	.035	.3300
-			SI %									
			.51									

MECHANICAL PROPERTIES

nr39576		213.0	51.41	105.43	34.57	32.05
	0 i	No.	ESI.	KSI KSI	*	₹ 2*
Assessment of the last of the					.	etaur ··· ··

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical Dept.Mgr. ERIC HESS

M.D. 12/26/13



1901 N. Narragansett Ave. • Chicago, Illinois 60639 773/804.0404 • Fax 773/804.0408

www.industeel.com

An ISO 9001 Certified Company

11/05/13

ISW Order/Invoice Number: 171013-00

SOLD TO: A9990 AVIBANK MFG. CO. SHIP TO: A9991 AVIBANK MFG. CO. 11500 SHERMAN WAY

P.O. BOX 9909

NO HOLLYWOOD

91609 CA

NO. HOLLYWOOD, CA 91605

CUSTOMER PO: 751295

085017BT

.0850"17-7 PH STAINLESS COND C CNT CLS

WEIGHT:

500

HEAT NUMBER: E121590

CHEMISTRIES

Νi AΊ .269 16.630 .029 / .001 7.560 ✓ .082 / .880

Мо Cu . 255 .310 /

CERT REVIEW

MAIN LO

COMPONE

NAME

PHYSICAL PROPERTIES

TENSILE: 253000C 307000CH

ROCKWELL #1: ROCKWELL #2:

YIELD STRENGTH: 000000C/000000CH

ELONGATION:

REDUCTION OF AREA:

Rey Domingo,

*** SPECIFICATIONS ***

ASTM A313-10 AMS 5678-F /

TORSIONS: OK

BENDS: OK

SALT SPRAY HOURS:

COATING WEIGHT:

GRAIN SIZE:

*** MERCURY FREE ****

TARIFF: 7223.00

NAFTA: B

UNITED KINGDOM / MELT: GB UNITED KINGDOM / ORIG: GB

MILL: INDUSTRIAL ALLOYS

DFAR: Y

ROHS: Y

AVB) 1389733

The values and specifications herein are passed through from the manutacturer directly to the customer. Please see reverse side or www.industeel.com for all Terms and Conditions of Sale. Material Properties Sheet 70403-MPS Version 1 Approved by BF 11/20/12

	Inspection	
LOFTITION	INCOACTION	UARAPE
CGLUHEU	THSDECTION.	THE HOLL

10/31/13 12:20-21 Alcoa Inc. Massena Operations Park Avenue Fast, Massena, NY 13662

Customer Braico Matais

Customer P.O. No. 43-113052

Customer Part No.

Alcoa Order No. MMC-48845- -002 Govt. Contract No.

Ship To Braico Metals 15090 Northam St

We hereby certify that the material covered in this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, or as previously agreed to with customer and that samples representative of the material met the composition limits and have the machanical properties shown on the face of this sheet. Manufactured under an ISO/TS 16949 registered quality management system Melted and manufactured in the USA.

James E. Samuel II, Quality Assurance Manager

Date Shipped

10/31/13

La Mirada, CA 90638.

Weight Shipped 751 lbs

Product CFRB-SMS-ROD DIA, X 12 FT

BOL 000161531

Alloy - Temper

2024-T351 /

Size 0.81250 IN

Shape DIA

Config 12 FT

ORR

Specifications:

AMS 4120R (Except Marking) AMS-QQA-225/6A Material conforms to T4 requirements* QQA-225/6E (1) ASTM B211-12E1

Product produced and marked to the requirements of AMS-QQ-A-225/6 also meets the requirements of QQ-A-225/6. Product produced and marked to the requirements of QQ-A-225/6 also meets the requirements of AMS-QQ-A-225/6.

TEST REQUIREMENTS	- 1	Test	Test	Test	Test	Test	Test	Test-	Test	Test	Test	
		U.T.S.	T.Y.S.	%Elong							1 1	
	Max:	1			1				1	1		
•	Min:	62.0	45.0	10.0		1			1	1	i . I	
		02.0	70.0	10.0	1	L	<u> </u>					
Tect Requite				70.0	· · · · · · · · · · · · · · · · · · ·	I	1	· · · · · · · · · · · · · · · · · · ·	1	1	·	
Test Results		Test	Test	Test	Test	Test	Test	Test	Test	Test	Test	
Test Results No. of Lot / Work Order Tests					· · · · · · · · · · · · · · · · · · ·	Test	Test	Test	Test	Test	Test	
No. of	Max:	Test	Test	Test	Test	Test	Test	Test	Test	Test	Test	

When 2 or more tests per lot are made, the highest and lowest values are reported. Analysis obtained from one or more samples in this lot.

TEST ABBREVIAT	IONS					*		· · · · · · · · · · · · · · · · · · ·	-			·		
U.T.S. U	timate Tensile Str	ength KS			T.Y.S.	Tensile '	Yield Strengt	th KSI			%Elong	Elongation % in 2*		
Aluminum Associ	ation Chemical Co	omposition	Limits (in V	/eight %)										
		%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%Others	%Others	%AL		Τ
ALLOY	MAX	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.15	Rem		
2024	MIN		İ	3.8	0.30	1.2				Each	Total		· ·	
Actual Constant Ch														

Actual Started Chemistry

• •												
LOT/WORK ORDER	%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%OE	%OT	%AL	i
MAX	0.06 /	0.26	4.7 V	0.68 1	1.5 /	0.02	0.05	0.03	LT 0.05/	LT 0.15	Rem	
MA20133395 MIN	0.06	0.26	4.6	0.64	1.4 V	0.01/	0.03 🖌	0.02		ļ		

NOTES:

Mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product.

This alloy meets the requirements of EU 2011/65/EC (RoHS) and EU 2000/53/EC for lead, mercury, cadmium and hexavalent chromium.

437192 P O

AVIBANK MFG signature Sold to:

K & L Anodizing Corporation Certification

Order No.: 307138

Date: 01/06/2014

Entry Date: 12/16/2013

Page: 1 of 1

To:

Avibank Mfg. Inc. 11500 Sherman Way P.o. Box 9909

North Hollywood

CA 91609-1909

Purchase Order No.: 753483

Packing List No.:

Material: 2024-T4

We are pleased to provide you with the following Certification. The item(s) described were finished and accepted in accordance with the stated specification Nadcap Accredited

299285

Quantity	Part Number / Part Name / Part Description	Pounds
4,710	5-4AB Rev. P Button-Handle	

MII-A-8625 Rev.F Amend. 1 KLC 001 / KLC 0007 Anodize per Mil-A-8625 Rev. F Am. 1 Type II Class 2 Black. Mercury Contamination Free

Insp. Type	Scale	Minimum	Maximum	Number	Other			
Customer Requ	iirement	<u>s:</u>						
Visual					Sample or 100%			

LSS# 200

MAIN LOT

Nadcap AS7003 #4908143853 10/31/2015 Nadcap AC7108 #4908153454 10/31/2014 Sharyn McGinity K L Cert Department

K & L Anodizing Corp.

TTHOMSO

Linear Motion. Optimized.

SHIP TO:

AVIBANK MFG INC 11500 SHERMAN WAY NORTH HOLLYWOOD CA 91605 **United States**

CERTIFICATE OF CONFORMANCE

DELIVERY NAME: 2937200

DATE PRINTED: 21-FEB-2014 PAGE: 1 of 1

SHIP FROM: ABEK LLC

492 Birch Street Bristol CT 06010 **United States**

Tel: (860) 314-3921 Fax: (860) 314-3942

BILL TO: AVIBANK MFG INC 11500 SHERMAN WAY NORTH HOLLYWOOD CA 91605 **United States**

PICK-UP DATE: 20-FEB-2014	SHIP METHOD: UPS-Truck-Ground			FREIGHT T	ERMS: - FROM OF	RIGIN	F	SCM:	
DELIVERY TERMS EXWORKS FACTORY	TAX NAME: EXEMPT	CUSTOME	R TAX NUN	IBER:		WAYBILI 1Z0176		69205040	
SHIPPING INSTRUCTIO ACCT# 60X10X	NS:		TAG NUN	IBER/REF:			PO R	EF#:	
STEM NUMBER	REFERENCE ITEM	ITEM DESCRIPTION	//////////////////////////////////////	JSTOMER PO NO.	ORDER NO.	LINE DRIDER NUMBER	WOW	OTY ORDERED	QTY SHIPPED
SS0078121CXXXDF	SS0078121CXXXDF	5/64 440C GRADE	754	588	1799757	1.1	MPC	100.0	97.8
		100 (DFAR REQUIRED) - SS0078121CXXXDF							·
COUNTRY OF ORIGIN:	United States					**			
Lot Number	Quantity 38.8	Heat Number G13158K02			Hardness HRC	Test		Hardness 60-63	
L0013813	15.0	548226 548226			HRC			60-62 60-62	
Material meets DFAR 25 Material certs meet AST Material meets AMS QC Heat Treat meets AMS Passivation meets AMS Country of Origin (Ball m	M F-2215. S 763 and AMS 5630 (759/5 2700 anufactured): USA I manufactured!: USA								
accordance with the	echnology or software, i Export Administration Re RT REVIEW	f being exported from gulations. Diversion c	ontrary to U	S. Law is p	phibited.			•.	
MAIN LOT	1478159							F. T. C.	C
COMPONE	KB40065					4		V DFAI	
NAME	Ball	_			٧			West Commence	T. T.
			- OV 4 OT 2	GROSS W	FIGHT	<u> </u>	VOLUE	<u> </u>	
		NUMBER OF P.	ACKAGES	GROSS W					

THE UNDERSIGNED, INDIVIDUALLY, AND AS THE AUTHORIZED REPRESENTATIVE OF THOMSON INDUSTRIES INC., WARRANTS AND REPRESENTS THAT; ALL THE INFORMATION SUPPLIED ABOVE IS TRUE AND ACCURATE; THE MATERIAL COVERED BY THIS CERTIFICATION CONFORMS TO ALL CONTRACT REQUIREMENTS (INCLUDING BUT NOT LIMITED TO THE DRAWING AND SPECIFICATIONS); THE INSPECTION AND THE ANALYSIS HEREIN ARE TRUE AND ACCURATE

GERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERT SERIAL# 000564343



- THE RECORDING OF FALSE, FICTICIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY SE PURISHED AS A FELONY UNDER PEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18. CHAPTER 47.

 THE VALUES AND STHER TECHNICAL DATA REPRESENT THE RESULTS OF ARALYSES AND TERPH MADE ON BAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CAPPENTED ORDER NUMBER.

 MATERIAL SE NAMEDIATURED FREE FORM MERGURY, RADIUM, ANDMA AND GAMMA BOURCE CONTAMINATION.
- O THIS DOCUMENT SHALL NOT BE REPRODUCED. EXCEPT IN FULL, MYMOUT THE WRITTEN CONSERVE OF CAMPENTER TECHNOLOGY CORPORATION.

SELLER / VERKÄUFER / VENDEUR PAGE I OF

the same of the sa			ALN
CUSTOMER ORDER NO BESTELL-NR.N. DE COMMAN DE	CARPENTER NOWERKS NRAFDE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHTIGEWICHT/POIDS
213280	W49841	09/11/06	659
HEAT NUMBER / SCHMELZE-NR. / N' DE COU			
PRODUCT DESCRIPTION: CONSUMET T	YPE 440C BEARING QUAL HOT	DRAWN SPHE	RODIZED
	95//96) 8//96) 95//96) 19//97)		
2155 6:0.2596 1444	RD WIRE INGOT 3.		
PRIMARY HEAT CHEMISTRY(WT%): (T			CR (XRF)
		S (COM)	16.97
	CU(XRF)		
MACROETCH: TESTED TO ASTM-A-604	: MAXIMUM VALUES ARE IA.	AP. AE. AS	
TENSILE AS SHIPPED. KSI(MP	A) 110.0(758)		
MAX QUENCH HARDNESS. HRC - 6	1 - 1925 F(1052 C)	30 MN OI	L TREAT
INCLUSION RATING - ASTM E45 ME		•	
THIN THE AND AND AND AND AND AND AND AND AND AND	Y THIN HEAVY THERESONS NO THE SECOND STATE OF THE SECOND S		
FRACTURE GRAIN SIZE: 8		7	/ DF
CARBIDE SEGREGATION - FREE FRO	M EXCESSIVE SEG (VILEL	LAS)	
DECARB - NONE (VILELLAS)		TO MN AT	B LUUI
MAX QUENCH HARDNESS. HRC - E	51 - 1875 F(1024 C)	30 LW VI	n Cook Ray

CONTINUED ON NEXT PAGE



CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000564343



Carpenter Technology Corporation 101 West Bern Street, Reading, Pa. 19601 Tel: (618) 208-2000 (884) 338-4592

- THE RECORDING OF FALSE, FICTICIOUS OR PRADDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY SE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLODING FEDERAL LAW, TITLE 18. CHAPTER 7.
 THE VALUES AND STREE TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTE RADE ON BAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CAMPERTER ORDER NUMBER.
- MATERIAL ES RANUFACTURED FREE FROM MERCURY, RADRUM, ALPMA AND SAMMA BOURCE CONTAMINATION THIS DOCUMENT SHALL MOT BE REPROSUCED. EXCEPT IN FULL, MITHOUT THE WHITTEN CONSENSES OF CARPENTER TECHNOLOGY CORPORATION.

SELLER/VERKÄUFER/VENDEUR PAGE 2 OF 2

ALN

CUSTOMER ORDER NO BESTELL-NR AT DE COMMAN DE	CARPENTER HOWERKS MRAYDE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHTIGEWICHTIF OIDS
213280	W49841	09/11/86	659

HEAT NUMBER / SCHMELZE-NR. / N' DE COU LEE 548226 BILLET CHECK CHEMISTRY(WT%):

C 1.04

(TOP)

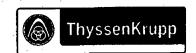
DEANA KISSLING
MET RELEASE/REQUIREMENTS ANALYST
CARPENTER TECHNOLOGY CORPORATION DATE REVISED: 01/19/10





ThyssenKrupp Materials NA

Copper and Brass Sales Division



Thyssenkrupp Materials NA 13338 Ordeo Drive Santa Fe Sodges CA 90670

AVIBANK MFG INC 11500 SHERMAN WAY NORTH HOLLYWOOD CA 91605-5827

DELIVERY NOTE

DATE:

05/21/2014

DOC. NO:

2403165594*

BOL. NO:

2403165594 1401962024

ORDER NO: YOUR P/O:

757697

CUSTOMER NO:

10009895

Route:

C2AC2

CONTACT:

Ginger M Sanchez

TEL:

562-215-4398 ext 54398

FAX:

800-926-8310 ext 8310

EMAIL:

Ginger.sanchez@thyssenkrupp.c

B

om

ALL S/S BAR MUST BE DFARS COMPLIANT UNLD BY FORK:

6-4PM MON-FRI LNCH 12-12:30PM RCVG HOURS: 6-4PM MON-FRI LNCH 12-12:30PM MAX SKID WT:

2000 MAX BUNDLE

WT: 2000

ITEM

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

NET QTY1 / QTY2 PACKAGE NO.

1,055 lb

6,177,375 Feet 1004306915 •

0010 XSSRD05811

DESCRIPTION

T-17-4 Stainless Steel Cold Finish Cond A Round

0.2550 " (+ - 001) X 144.5000 Mill Length

Actual Chemistry/Act. Physical

Standard Packaging

TAGNUMBER QUANTITY UOMVENDOR

VENDORPO HEAT/LOT

PCS

1004206124 6177 SAE AMS 5643| R

FT TRI STAR

5400218116 E131836

Total Gross Weight

1130.000 lb

All items, not declared as partial delivery, are final quantities.

Delivery Terms: PPD gem. Incoterms 2000 Prepaid

CERTIFICATION OF COMPLIANCE

We hereby certify that mercury or any of its compounds are not used in the processing and distribution of our products. The products we distribute are not hazardous in their received state.

For MSDS sheets go to www.copperandbrass.com. We hereby certify that the material above complies with the above specifications

CERT REVIEW

MAIN LO

COMPON

NAME

TRI STAR METALS, LLC 611 WEST LAMM ROAD FREEPORT, IL 61032

An ISO 9001:2008 Registered Company

CERTIFICATE DATE:

4/25/14

CUSTOMER:

COPPER & BRASS

ORDER#:

209876

CUSTOMER PO#

5400218116-R05 LINE 2

MATERIAL:

17-4PH \/

DESCRIPTION:

.285" X 12'

HEAT NUMBER:

E131836

QTY. SHIPPED:

3:164 LBS

CONDITION:

PART#:

X9SRD05811

	CH	<u>EMICAL</u>	COMP	OSI	IION_
š	<u> </u>	PV	NI	V	Cr v

G	/ Mn √	Si v	S V	PV	NI V	Cr V	Mo	Other Elements
.0120	7300	.3290	.0270	.0280	4.6800	15.3400	.2000	Ti=,0010 Nb= 2500 Y
.0120	""	""						Al=.0100 B=.0016
			*	:				Co=.0890 Cu=3.3140
						{		Sn=.0120'N=.0340
	1							V=.0600 W=.0200
							"	As=.0070 Ca=.0015
	1							Ta=.0020 Pb=.0002

MECHANICAL VALUES

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION C	FAREA(%)	HARDNESS
132	120	14	49		264 HB

٠	the second second	APIEKELI		THOUR MIN ODOL
!	TENSILE (KSI)	YIELD (K8I)	ELONGATION (%)	REDUCTION OF AREA (%) HARDNESS,
	204	201	11	54 410 HB

ADDITIONAL REMARKS:

This material meets the chemistry specifications for AMS 5648R; ASTM A684-04, ASTM A484-10, ASME-SA-584 CHEM & MECH. Macro & Micro Structures OK per AMS 5843. Delta Ferrite= 43% DFARS COMPLIANT

MATERIAL IS FREE FROM MERCURY CONTAMINATION, EN10204 3.1.B **COUNTRY OF MELT: ENGLAND**

MATERIAL IS MANUFACTURED IN THE UNITED STATES OF AMERICA

I hereby certify that this data is correct as contained in the records of this company.

QUALITY CONTROL REPRESENTATIVE: QSD-007 REV. ORG. 4/17/2013



rom: ThyssenKrupp Materials NA

Cust. AVIBANK MFG INC

Del.: 2403165594

CstAr

CstOr 757697

Wqt.: 1,055 LB

Date 05/20/2014

Outokumpuištainiesa Lid. ASR ROLM Signeration Road Steffield, B9 \$X0 Trimphone; 444 (0) 114 242 1124 Per: 444 (0) 114 242 2182



Prof-Nr Test pertificate No No du certificat

In Apodrdance With SN 10204.3.1

SPECIFICATION Rechaunge-Mr Involve/Cons No Bastall-Nr 17/4PH(630) Rev. 09-13-11 (LING 817400) -COND. A Customer Order No 249212 71274 No de commande client Na de facturé ADDRESS AV202378/01 Tri Star Metals LLC SOFTENED AND DESCALED 611 W.Lamm Rd 7.00 mm Round Freeport : Illinois 81032 21 red cells for 16.012t UBA 61032 H184838

Cast Analysis Analyse de Cotilée **Bohmalzensiyse** 9.75 ď 10 0.0100 0.0018 0.3290 16.3400 0.0010 0.2000 0.7300 0,0280 0.0270 0.0120 0,0200 0.0070 0,0015 0,0020 0.0000 0.0600 6.0120 0.0340 0.0890 3.2140

Caraptiristiques miscania Nuchanical and Physical Properties Mach und phys Elgensphalten 0.21FB ÚTA RAN Charpy (3) Content N LP\$1 id#1 202.00 60.0 99.768 132,130 138,626 2.7 7.0 HODE De Long Ferrite K WRC 1002 HBOD H900 HOOD H900 Ferrite % 02%P8 UTS A4D RA Harringan Interery stalling Detrocton Test Ovality Microstructure Macrostreature Bend

Additional information

Delte Perrie -0.43% Rp0.2-201fpei UTE 204kppi El 13,% ReiA 54% Hb 410 Pres from historia Mercary of Redium Contembration Conforme vith ASME/ASTM A484 2 854, AMS 8822 & 8643

Supplied as Condition A Malting Prestice:- EAF and ACC

right 10 82 -1+ 1000f ta belowing

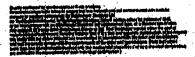
Tested in eccordance with AMS2530 & 2303,ABYM E407

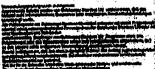
EHSQ Munkger

Rob Charlesweith

04/02/2014

Adstoriel milited and rolled in Shellfeld, England by Outslampu Stainless Ltd. Meting Practice:- EAF & ACD Ultrasonis to AMEZSSO & Magnetic Perilicle to





Del,: 2403165594



From: ThyssenKrupp Materials NA

Cust. AVIBANK MFG INC

CstAr

CstOr 757697

Date 05/20/2014 Wgt.: 1,055 LB

John Bunkotts

Order No:

Time

3748031 07:06:05



FRY STEEL COMPANY

Registered ISO 9001 13325 MOLETTE ST. SANTA FE SPRINGS, CA 90670 (562) 802-2721 A08040

Cust. NO.: 760385

P.O. NO .:

CERTIFICATE OF COMPLIANCE

AVIBANK MFG INC ATTN: ACCTS PAYABLE P O BOX 9909 NORTH HOLLYWOOD CA 91609-1909

11500 SHERMAN WAY ***RECEIVING CLOSED 11:30-12** NORTH HOLLYWOOD CA 91605-5827

AVIBANK MFG

04/23/14

QTY	-DESCRIPTION- CG 17CR 4NI PPT HT SOL TR AMS 5643	-ITEM CODE-	-HEAT NUMBER-
	V SILVER/RED		
250	√ BARS .130"RD 12'RL	9070	E131099 🗸
440	BARS .1925"RD 12'RL	9120	E130790
75	BARS .505"RD 12'RL	9380	G20854
75	BARS .630"RD 12'RL	9450	571176
25	BARS .755"RD 12'RL	9510	571616

CERT REVIEW

MAIN LOT # /438754

COMPONENT LOT # /43537/

NAME

Spincl (0)

NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED*

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE

AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION(I.E. MAG., SONIC, ETC.)

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM CONTAMINATION AT TIME OF SHIPMENT

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.

- TO THE BEST OF OUR KNOWLEDGE MATERIAL IS CONFLICT MINERAL FREE -

CHIP SANDOVAL - O.C. MANAGE

FRY STEEL.CO. CERTIFIES THAT THIS IS A TRUE COPY OF THE OPIGINAL MILL TEST REPORT NOW ON FILE RECEIVED AND INSPECTED

TRI STAR METALS, LLC 375 VILLAGE DR. CAROL STREAM, IL 60188 An ISO 9001:2008 Registered Company_{BY}

FEB 1 0 2014

Chhol

BHIP BANDOVAL - G.C. MANAGER

CERTIFICATE DATE:

02/07/14

CUSTOMER:

FRY STEEL COMPANY

ORDER#:

205488

CUSTOMER PO#:

47795-1

MATERIAL:

17-4PH

DESCRIPTION:

.130" RD SS X 12'

HEAT NUMBER:

E131099

QTY. SHIPPED:

2,003 LBS

CONDITION:

A - Solution

PART #:

9070

Annealed, A.Q., Centerless Ground

CHEMICAL COMPOSITION

	_		U		COMI CO	/ / /		1 - 4
th	·/I	Si V	e 1	P /	NI V	Cr V	Y Mo	Other Elements
CA	Min V		- 0000	022	4.68	15.38	.170	VCu=3.349 Co=.089
.015	.730	.408	.0280	.023	41.00	13.50		N=.0310 Ti=.002
)	, i	, 1]	Nb=.2510 Al=.002
	1			'			1	B=.0016 Sn=.008
				ł				V=.050 W=.020
1	<u> </u>	,					1	As=.006 Ca=.001
							Į.	Ta=.002 Pb=.0002

		V MECHANICAL VA	LUE8	THE PROPERTY.
	YIELD (KBI)	FI OMGATION (%)	REDUCTION OF AREA (%)	HARDNESS
TENSILE (KSI)		- Legisteria (1.5)	A7	301 HB
146	/ 136	9	41	

1		V AFTER HT	CAPABILITIES 900F	1 HOUR AIR COOL	
	TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
	701	199	12	54	410 HB

V ADDITIONAL REMARKS:

This material meets the specifications for: STRAND ANNEALED AT 1900F FOR 4 TO 8 MIN;
AMS 5643R, AMS 2303E; ASTM A484-10; Capable of ASTM A584-04 TYPE 630, ASME A584-04
TYPE 830, & MBO-160-003 EXC HARDNESS & ULTRASONIC; DFARS 252.225.7014 & 225.70023(b) (1) COMPLIANT; Delta Ferrite=.38%; Micro & Macro Structures OK per AMS 5643

MATERIAL IS FREE FROM MERCURY CONTAMINATION. EN10204 3.1.B
MELT ORIGIN: ENGLAND

MATERIAL IS MANUFACTURED IN THE UNITED STATES OF AMERICA

I hereby certify that this data is correct as contained in the records of this company.

James P. Elifott-Quality Process Manager



Q. C. Review

Sig. Mark

Date 150/1

LOT# 1436397

QUALITY CONTROL REPRESENTATIVE QBD-407 REV. ORG. 4/17/2013

3702738

Order No: Time

16:17:08



Registered ISO 9001 13325 MOLETTE ST. SANTA FE SPRINGS, CA 90670 (562) 802-2721 A08040

Cust. NO.: 755061

P.O. NO.:

CERTIFICATE OF COMPLIANCE

AVIBANK MFG INC ATTN: ACCTS PAYABLE P O BOX 9909

NORTH HOLLYWOOD CA 91609-1909

AVIBANK MFG 11500 SHERMAN WAY

***RECEIVING CLOSED 11:30-12** NORTH HOLLYWOOD CA 91605-5827

01/17/14

QTY	-DESCRIPTION-	-ITEM CODE-		-HEAT NUMBER-
	V CF 2024 AL T4 QQA 225/6 RED			
342	VBARS 5/16"RD 12'RL	84030		13M215 V
1	BAR 7/16"RD 12'RL	84040		13M215
1	PC 3/8 X 1-1/4"FL CUT	84"LG 86570		10112303-5
	CF 2024 AL T351 QQA 225/6 RED			
1	PC 1-1/8"RD CUT 60"LG	84090		152938
- 5	BARS 1-3/16"RD 12'RL	84095		13M215
	EXT 2024 AL T3511 QQA 200/3 RED/WHITE STRIPE		CERT REVIEW	
3	BARS 5/8"RD 12'RL CONTINUED		COMPONENT LOT # KB 30691	ZWB120934
			name Button	

NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED.

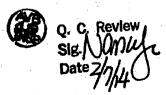
AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION(I.E. MAG., SONIC, ETC.)

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM CONTAMINATION AT TIME OF SHIPMENT

The willful recording of false, fictitious or traudulent statements on this document may result as a felony una WHEN APPLICABLE

- TO THE BEST OF OUR KNOWLEDGE MATERIAL IS CONFLICT MINERAL FREE -



Taishan City Kam Kiu Aluminium Extrusion Co. Ltd Address: Daijang County, Taishan, Guang Dong, China

Tel: (86) 7505438596 Fax: (86) 7505438173

Aluminium Mill Certificate

Cert. No.:

KAP628824

Customer

TUSKER INTERNATIONAL TRADING INC.

FRY STEEL

Contract No.: US SM130929

Alloy Temper 2024-T4

Container No: CBHU5883403/20

2024-T4

Standards: QQA 225/6 REV E; AMS QQA 225/6 REV A; ASTM B 211 2012; AMS 4120 REV R

Shipment Date: Jul 29 2013

PO No: 47540 1K

Invoice No: MJ31492

		1			2024	Chen	nical (Comp	ositio	n (%)	,					Tensile Si	rength	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Elong	ation
Product	Die No Specification	Heat No	Cast		Mg	Fe V	Cu	Mn	Zn	Cr	Ti	Pb	Bi	Zr	Al		kti	N·mm²	ksi	00
Code	,	(Batch No.)	310.		1.2- 1.8	0.50 max.	3.8- 4.9	0.30- 0.9		0,10 max.	0.15 max.		:		Rem.	425	62	310	45	
84000	1670364-5 DRAWN ROD CFR S/16 V	V	13M215	0.100	1.486	0.292	4.453	0.765	0.018	0.024	0.013	0.006			Rem.	557	81.0	523		11.8
÷4.14·)	1870386-2 DRAWN BOD CFR 7/16		13M215	0.100	1.486	0.292	4,453	0.765	0.018	0.024	0.013	0.005	•		Rem.	481	70.0	423	81.0	10.8

Remark

Kam Kin Aluminium Group hereby certifies that metal shipped under the above mentioned PO No, Contract No, and Container No has been inspected and tested, and found in conformance with the applicable specifications forming a part of the description set forth in Kam Kin's Sales Contract. This Mill Test Certificate complies to 3.1 EN 10204.

Made By:

Waley

FRY STEEL CO. CERTIFIES THAT THIS IS A TRUE COPY OF THE ORIGINAL MILL TEST REPORT NOW ON FILE RECEIVED AND INSPECTED

AUG 2 3 2013

SHIP HANDOVAL - Q.C. MANAGER

Checked By:

Jan -

C Peulo

Sig. Maria

LOT# 1410845

Level 18. The Gardens North Tower, Mid Valley City, Lingkaran Syed Putra. 59200 Kuala Lumpur, Malaysia E-mail: info@kamkiu.com Web Page: www.kamkiu.com

CFR 5/16

CFR 7/16

K & L Anodizing Corporation

Certification

Order No.: 317168

Date: 04/17/2014

Entry Date: 03/31/2014

Page: 1 of 1

To:

Avibank Mfg. Inc. 11500 Sherman Way

Purchase Order No.: 759178 Packing List No.:

P.o. Box 9909 North Hollywood

CA 91609-1909

Material: 2024-T4

We are pleased to provide you with the following Certification. The item(s) described were finished and accepted in accordance with the stated specification Nadcap Accredited

309570

Part Number / Part Name / Part Description Quantity 5.200 73-4AB Rev. D Button

Pounds

Mil-A-8625 Rev.F Amend. 1 KLC 001 / KLC 0007 Anodize per Mil-A-8625 Rev. F Am. 1 Type II Class 2 Blue. Mercury Contamination Free

Insp. Type	Scale	Minimum	Maximum	Number	Other	· · · · · · · · · · · · · · · · · · ·	
Customer Requ	uirement	<u>s:</u>					
Visual			•	:	Sample or 100%		<u> </u>

LSS# 200

CERT REVIEW COMPON NAME

Q. C. Review Sig. X Y

Nadcap AS7003 #4908143853 10/31/2015 Nadcap AC7108 #4908153454 10/31/2014 Luisa Sagory **Cert Control** K & L Anodizing Corp.

Phone: (818)845-7251

Fax: (818)845-0650

Gibbs Certificate of Analysis Gibbs Wire & Steel Company, Inc. 3751 Olive Road, South Bend, Indiana 46628

AVIBANK MFG 11500 SHERMA NO. HOLLYWO	N WAY	A 91605	USA	 		CL	ıst Or	pped: 2/ der #: 7! pped: 2!	•	
Description: 17-7 PH COND		" P/M.000 SCOTE ST		TEEL	V			٠		
						. H	eat N	umber: (61138	
Mill Coil ID:		Gi	ibbs Coil ID:			Gil	N ado	umber: 2	27175	
To Certify that Specification:		and the second second	against you AMS 5678	. ,		number is /PE 631	in ac	cordanc	e with	
C: Si: Co: Ti: Zn: Ta:	0.0760 0.2400	Mn: Cri Cui Ali Sn: V:	16.4000 0.1200 0.8800	V	P: Ni: N2: Be: Pb:	0.0220 7.6500	V	Sul: Mo: Fe: W: Cb:	0.0010 0.1400	✓ ✓
		V	PRE-HEAT			:	/	POST-I	HEAT	
		MIN		MAX		• • • • • • • • • • • • • • • • • • • •	MIN		MA	X
Tensile St	_	286,000	28	9,000		347,	000		348,000	
Mill Source/Rod	Source:	SUMIDEN				SWE	EDEN		Q. C. Res	view of the last o
MATERIAL FREE COILING & WRA	FROM M	IERCURY CO	ITANIMATIO	ON	, 	Alison Fin	rk	·	LOT# 14	17 122664
DFARS COMPLIA						s Wire & S fication Cl		Compan	ıy, Inc.	

Alison Fink

MAIN LOT NAME

GWS #: 664286

Tel: (574)234-6071; Fax: (574)237-0712



Page: 1 of 1

P.O. Box 025263, Miarki, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

ar and a second

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

200 EA CR3213-4-03

87484144

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Form 67 Rev 1.0





Cherry Aerospace 1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157

Order No: S0321670 Order Date: 04/29/08

Print Date: 05/24/11

Page:

10015341 Sold-To:

Ship-To: 19000244

B/E AEROSPACE INC C.M. Н 10000 N.W. 15TH TERRACE I MIAMI, FL 33172 P **USA**

Т

Salesperson (s):110

USA

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T

Credit Terms: Net 30

B/E AEROSPACE

PO BOX 025263

MIAMI, FL 33102-5263

Net 30

Purchase Order: 0EZ574

Ship Via: YRC

FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0 IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

test reports enclosed

FASTENERS ECCN: 9A991d SCHEDULE B# 8803300010

DO NOT DESTROY

EA

TOOLS ECCN: EAR99 SCHEDULE B# 8467290095 **Promised** Qty Open Qty to Ship UM Shipped T LocationLot/Serial Item Number Ln

1600 CR3213-4-03 Customer Item: ASNA0078A403

B0207005-4-03 CAN43078B4-3 M7885/2-4-03 NAS9301B-4-03

17

NAS9301BNS-4-03 *IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7014 ALT I

*PREFERENCE FOR DOMESTIC SPECIALTY METALS

C0503 87466045

C0903 87466042

34600.0

07/15/11

for your inspection at any reasonable time.

87466024 D0402

33895.0

32095.0

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available Quality Assurance Representative

SIM NGUYEN



Order No: S0321670 Order Date: 04/29/08

Page: ' 2

Print Date: 05/24/11

10015341 Sold-To:

PO BOX 025263

1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157

B/E AEROSPACE

MIAMI, FL 33102-5263

D USA

ТО

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Ship-To: 19000244

B/E AEROSPACE INC C.M. 10000 N.W. 15TH TERRACE MIAMI, FL 33172

USA

P

TO

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L L					
	N. N. S. S. S. S. S. S. S. S. S. S. S. S. S.	Site T Location Lot/Serial	Qty Open Qty to Ship UN	Promised M Shipped	
Ln	Item Number	Location Location			
17	100 COM 1714 SEATH COLOR COVER CONTRACTOR COM 2715 1720	D0403 87466034	29000.0	()	
	FOR BOLD THE HEATH WALL THE HEAT HEAT HEAT WERE	EZLINE-2 87479181	33400.0	()	
	TO ALTERNATIVE RECORDERS THIS MEETS WHE TITLE INTO	F0904 87466032	35000.0	()	
	1861 1871 1891 1891 1891 1891 1891 1891 1891 1891 1891 1891	G0404 87479187	31025.0	()	
	I OLOHE HOLM OLEH DERU BILLI OLUH DERU KERI HERI OLU	10502 87466027	34656.0	()	
	HELIONERI ILAIN MICH TIRRI EGGI ILRIA RIDIKANITET	00301 87466028	34126.0	()	
10	CR3213-4-03	1600	E.	A 07/15/11	

CR3213-4-03

Customer Item: ASNA0078A403

B0207005-4-03 CAN43078B4-3 M7885/2-4-03

NAS9301B-4-03 NAS9301BNS-4-03 TEST REPORTS ENCLOSED DO NOT DESTROY

*IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7014 ALT I

*PREFERENCE FOR DOMESTIC SPECIALTY METALS

87484144 . 1816 (1816 1816) (1816 1818) (1816 1818) (1816 1816) (1816 1816) (1816 1816) (1816 1816) (1816 1816) (1816 1 B0505

33519.0 87487497 C0205 32496.0

87466026 D0705 31800.0 **EZ LINE 87487495**

34217.0 **EZ LINE 87488616** 33740.0

EZLINE-2 87466025

These commodities, technology or software were exported from the United States in about the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Representative

Signed

SIM NGUYEN





Order No: S0321670 Order Date: 04/29/08

Page: '3

Print Date: 05/24/11

Cherry Aerospace 1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157



10015341 Sold-To:

B/E AEROSPACE PO BOX 025263

MIAMI, FL 33102-5263

D **USA**

0

Ship-To: 19000244

B/E AEROSPACE INC C.M. 10000 N.W. 15TH TERRACE

MIAMI, FL 33172

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USA

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	Qty Open	Promised
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Site Oty to Ship UM Shipped T Location Lot/Serial Item Number 18 EZLINE-2 87487496 I COMPANIA DE LA COMPANIA DE LA COMPANIA DE LA COMPANIA DE LA COMPANIA DE LA COMPANIA DE LA COMPANIA DE LA COMP 34028.0 H1002 87487494 32300.0 87487493 L0402 34400.0 07/15/11 EA 1600 CR3213-4-03 19 Customer Item: ASNA0078A403 TEST REPORTS ENCLOSED B0207005-4-03 CAN43078B4-3 DO NOT DESTROY M7885/2-4-03 NAS9301B-4-03 NAS9301BNS-4-03 *IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7014 ALT I *PREFERENCE FOR DOMESTIC SPECIALTY METALS C0405 87466035 34241.0) **EZ LINE 87466029** 34360.0 **EZ LINE 87466044** 33200.0 EZ LINE 87485861 33167.0 EZLINE-2 87466021 31247.0 I TREED KUDI AURI ANAM BERN HERB HERB HERB HERB HERB L0102 87484141 33180.0 87466048 L0202 34709.0 N0203 87466049 33820.0

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

87466030

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

N0403

Representative Quality Ass

Signed

SIM NGUYEN





Final Inspection & Test Report CherryMax® Rivet

1224 East Warner Avenue Santa Ana, CA \$2707-0157

An ISO9001 and AS9100 registered company. OASIS #6111041606

Rev Rev Proc. Spec. Part Numbers R AA PS-CMR-3000 CR3213-4-03

Lot I.D. No.: 87484144

Lot Size:

35,000

MFG. Date:

April 27, 2011

** See 2nd Page for the Customer Parts

ASSEMBLY DATA

AUULIND						
TYPE	1D#	CERT#	MATERIAL	FINISH	LUBE	
Rivet	87466046	A65901	QQ-A-430/5056	MIL-C-5541 CLEAR CL1A	None	
Stem	87480902	A66558	AMS6322 / 8740ST	QQ-P-416/T2CL2/CAD PL	None	
Collar	00000000	A66909	A-286 / AMS5731	Passivate per AMS2700	None	

W.O. #: 5434116

Final Lube: None

QUALITY	CONFORMANCE/ACCEPTANCE RESULTS

	INSTALLED S		TENSIO		SPIN	DLE RETENTION		DISASSEMBLY
MIN REQ'D	584	21 NEZ 11 \	285			125		10
SAMPLE SIZE	8	N/A	8	N/A	5	8	N/A	5
SPECS	C-N-M	В	C-N-M	В	C-N-M	М	В	C-N-M
RESULTS C=CR N=NAS M=MIL B=BAC LOAD VALUES N POUND	872 891 867 987 920 920 916 873		416 399 414 414 419 414 413 421		293 292 318 295 327	274 271 271 254 278 267 282 262		38 69 33 32 24

STATUS PCS. ITEM **STATUS ITEM** PCS. PASS INSTALLATION (Min and Max Grips) PASS 20 **EXAMINATION** <u>20</u>

Tr. Rev: Comments: Blind Fastener Rev. Date: 4/27/2011

V09 Inspector l Reyes

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory. The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law. Q Code

CERTIFIED INSPECTION REPORT AND TEST RESULTS

KAISER ALUMINUM

1547 Helton Drive - Florence, AL 35630

SHIP TO:

SOLD TO:

CHERRY AEROSPACE LLC

CHERRY AEROSPACE LLC

VMI / CONSIGNMENT AGREEMENT

VMI / CONSIGNMENT AGREEMENT

1224 EAST WARNER AVE

1224 EAST WARNER AVE

SANTA ANA, CA 92705-5414

SANTA ANA, CA 92705-5414

Customer PO Number VP105020-1		NW V 00408	VORK ORDER NO.	Shower King
DESCRIPTION .123 5056 H32 STEM				AUTHORIZED SIGNATURE QUALITY CONTROL MANAGER
CUSTOMER PART NO.	ALLOY 5056	/	TEMPER H32	We hereby certify that the material covered by this report has been inspected in accordance with, and has been found to meet, the applicable requirements
NW PART NO. H123A7			DATE SHIPPED 11/3/2010	described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition
WEIGHT SHIPPED 1,022				limits and had the mechanical properties shown on this sheet.

		ULTI	MATE	YIE	LD	% ELONGATION
		STRENG	TH K.S.I.	STRENG	TH K.S.I.	
LOT NUMBER	# OF TESTS	Min	/ Max	Min	Max	
K845426	2	48.57	49.41			

COMMENTS: M005.123 REV P QQA-430 V MILL SOURCE KAISER MADE IN USA



		SILI	CON	IR	NC	COP	PER	MANG	ANESE	MAGN	ESIUM	CHRC	MUM	OTH	ERS
	ALLOY	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
CHEM			0.30		0.40		0.10	0.05	0.20	4.50	5.60	0.05	0.20	0.05	0.15
		NIC	KEL	ZII	NC	TITA	NIUM	LE	AD	BISN	MUTH				
COMP	5056	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
ا ت					0.10										
				l			ALU	MINUM	REMAIN	IDER					



E BOW

CERTIFIED TEST REPORT http://Certs.KaiserAluminum.com

Kaiser Aluminum & Chemical 600 Kaiser Drive Heath, OH 43056-1088 740-522-1151

Specifications

QQA-430 REV C

Miscellaneous Notes

Made in USA

Product produced from K540 meets the requirements of aluminum alloy 5056

Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. Actual (Act) chemical composition is from representative samples taken during the ingot casting process. Independent chemical analysis will vary from these values because of natural variation in the process and testing error. This test report shall not be reproduced, except in full, without the written approval of Kaiser Aluminum. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law. Chemical analysis performed in accordance with ASTM E 1251-07. The Newark facility is AS9100B:2004 approved. The Newark Laboratory is NADCAP approved for chemical testing (OES).





CERTIFICATION

Kaiser Aluminum & Chemical Corp Inc. ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

John R. Despins, Technical Manager

John R. Despins

Plant Serial: 10125

Kaiser Order Number: 214520770

Line Item: 1

Page 2 of 2

SOLD TO

CHERRY AEROSPACE LLC 1224 E. WARNER AVENUE SANTA ANA, CA 92705-5414 USA

CERTIFICATION

WORK ORDER 081247

HEAT NO. 10070600 SALES ORDER / RLS 838224 / 1

ISO 9001-2000 REGISTERED



CERT # 911.01

CUSTOMER P.O. QUANTITY **CARRIERS** LADING NO SHIPMENT DATE CUSTOMER PART VPO092778 M272.1040 2.934 Lbs 00088452 02/22/2011 3

SPECIFICATION C208740-101040A A-8740, AQ, SKFG, CHQ WIRE, SEAM & DECARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size:0.103/0.105 Specifications: AMS2301H, AMS6322N, MIL-S-6049A, AMEND1, ASTM-A-547, AMS-S-6049-A. M 272,1040 REV. P.

CERTIFICATION REQUIREMENTS

Chemical Properties

Cu Ni Cr Mo P C g i Mn . 96 .009 .008 .12 . 42 . 42 .21 25 . 41

Physical Properties

Cleanliness Mill Source Grain Size Jominy 1 Jominy 2 Jominy 3 Inclusions Macro J10=36 S2-R1-C2 GOOD F&S=0 Charter 6 J5=52 J8=41

Country of Origin USA - DFAR Compliant

Mechanical Properties

UNITS KSI **Tensile Strength** KSI **Yield Strenath** % Elongation % % Reduction of Area % Rockwell Hardness C Scale **HRC** Decarb (Total) ln

MAR 1 9 2011

110.5 60.9 28

0.00

130.0

Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum flability for any claim predicated upon defective merchandise is limited to replacement of it, or to repsyment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, sgrees to the foregoing terms and conditions and those set forth on the reverse hereof. The recording of raise, fictitious or insulation statements or entries on this document may be punished as a felony under Federal statutes including Federal law. Title 18, Chapter 47.

REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.

Wite Tech, Inc. metallogical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, describurization depth per ASTM E 19, The reported Chemical and Physical Properties are Met Source results. Transcribed from miRBM year hardness results performed with a 1/16° carbide ball, Unitess otherwise aspectified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.

TEST RESULTS RELATE ONLY TO THE ITEMS TESTED.

LATEST REVISIONS OF ASTM

Material is free of mercury, radium, or alpha contamination

Material is free of mercury, radium, or alpha contamination.

qtc302 (v1.1) page 1 of 1 Mike Martinez



QA Manager

m:\orl 02/22/2011

DATE

- 1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States.
- 2. Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury
- 3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
- 4. The laboratory that generated the analytical or test results can be identified by the following key:

		5	•	,					
Certificate Number	Lab Code		Laboratory	Address					
0358-01	7388	CSSM	Charter Steel Melting Division	1653 Cold Springs Road, Saukville, WI 53080					
0358-02	8171	CSSR/ CSSP	Charter Steel Rolling/ Processing Division	1658 Cold Springs Road, Saukville, WI 53080					
0358-03	123633	CSFP	Charter Steel Ohio Processing Division	6255 US Highway 23, Risingsun, OH 43457					
0358-04	125544	CSCM/ CSCR	Charter Steel Cleveland	4300 E. 49th St., Cuyahoga Heights, OH 44125-1004					
•	•		Subcontracted test perfo	rmed by laboratory not in Charter Steel system					

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

Possible Laboratory	Specification
CSSM, CSCM/CSCR	ASTM E415; ASTM E1019
CSCM/CSCR	ASTM E572
CSSM, CSCM/CSCR	ASTM E381
CSSM, CSCM/CSCR	ASTM A255; SAE J406; JIS G0561
	ASTM E112
CSSR/CSSP, CSFP,	ASTM E8; ASTM A370
All labs	ASTM E18; ASTM A370
CSSR/CSSP, CSFP	ASTM A892
CSSR/CSSP, CSCM/CSCR	ASTM E45
	CSSM, CSCM/CSCR CSCM/CSCR CSSM, CSCM/CSCR CSSM, CSCM/CSCR CSSM, CSCM/CSCR CSSM, CSCM/CSCR CSSM

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 01/31/11.

All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

- 6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They do not apply to any other sample.
- 7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions: MAR 1 9 2011
 - alt may be distributed only to their customers
 - Both sides of all pages must be reproduced in full
- 8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Sales Order number) to the customer's purchase order. Both order numbers appear on the front page of this Report.
- 9. Where the customer has provided a specifiction, the results on the front of this test report conform to that specification unless otherwise noted on this test report.





Certificate of Analysis

Radcliff Wire Inc. 97 Ronzo Rd., P.O. Box 603, Bristol, CT 06010

Date Shipped: 4/11/2011

PO #: P0124411

Qty. Shipped: 27 LBS-2-BLACK

MIG SPOOLS

Radcliff No.: 120614

Heat No.: Z1375MK13

Customer: CHERRY AEROSPACE

SANTA ANA OPERATIONS 1224 EAST WARNER AVE SANTA ANA, CA 92705-5414 Country of Origin: USA

Original Mill Source: USA

Size:

.006 X .011 X .056 ***

Notes:

PART# M189.44 REV W DFAR COMPLIANT **NET WGT 27 LBS**

Material: A286 Stainless Steel

Description: SPECIAL SHAPE

Specification: AMS 5731 REV L, AMS 5737 REV P

CHEM ONLY

Chemical Properties

AJ: 0.17%

B: 0.006%

Bi: PPM<0.1%

C: 0.04%

Co: 0.06%

Cr: 14.57%

Cu: 0.06%

Fe: 58.57% Pb: PPM0.3% Mn: 0.11%

Mo: 1.26%

Ni: 24.52%

P: 0.007%

S: 0.003%

SI: 0.18%

TI: 2.14%

V: 0.3%

APR 2 3 2011



Tensile: 97 KSI

Rockwell:

Certs/Material

Lisa Piatek

Certification Clerk

The material as shipped is free from mercury contamination

HUNTINGTON ALLOYS CORPORATION

WESTERN U.S.

A Special Metals Company HUNTINGTON, WEST VIRGINIA 25705-1771

NOTE: THE RECORDING OF FALSE, FICTITIOUS OR FRAHDULENT' STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE. AS A FELONY UNDER FEDERAL STATUTE.

CERTIFIED MATERIAL TEST REPORT A-1 WIRE TECH 84052 THIS IS TO CERTIFY THAT ALL REQUIRED SAMPLINGS INSPECTIONS HA ORDER NOUTEM PAGE AND TESTS HAVE BEEN PERFORMED IN ADCORDANCE WITH THE ORDER AND SPECIFICATION REQUIREMENTS. THE TEST NEPORT 840 AIRPORT DR ROCKFORD, IL 61109 300018997 1 06/24/09 REPRESENTS THE ACTUAL ATTINEUTES OF THE MATERIAL PURHISHED AND THE VALUES SHOWN ARE CORRECT AND TRUE NISPECTED BY THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FIALL COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS. WE HERENY CERTIFY THAT THE BELOW FIGURES ARE IN 7332 LBS HA/SMC MARK ORDER NO. CHARGE ORDER NO. A-1 WIRE TECH INC ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENTS. 4550 KISHWAUKEE ST 22351-2 22351-2 ROCKFORD IL 61109 INCOLOY ALLOY A-286 VIN-ESR HR ROD - COIL PKL ANN .3120 IN COIL COIL SPECIFICATIONS: A-1 A286 RESTRICTED FOR CUST 187, 1250, 211 REV 9-30-08 UNS: 566286 SAE ANS 5731L CHEM ONLY\SAE ANS 5732J CHEM ONLY\ SAE ANS 5734K CHEM ONLY\SAE ANS 5737N CHEM ONLY\ A66909 SAE AMS 5726D CHEM ONLY\GE CSOTF35-84 AM 7 CLASS A CHEM ONLY\ SPS-M-118 REV L CHEM ONLY\GE S-400 (10-31-07)\ GE S-1000 (1-2-2008)\ HEAT TREAT & STRESS RUPTURE CAPABILTY TESTING. Z1375MK13 QUALITY SYSTEM CERTIFICATION: ISO 9001:2000 (ABS-QE CERT. 30125); EN 10 204/DIN 50049 (TYPE 3.1) CHEMICAL ANALYSIS (WT. X) HEAT# C MN SI NI CR AL TI CO MO PB/PPM BI/PPM V Z1375MK 0.04 0.11 56.57 0.003 0.06 0.18 24.52 14.57 2.14 0.06 1.26 0.007 0.006 <0.1 0.3 0.30 TO CONVERT PPH TO WT.X, MOVE DECIMAL POINT FOUR PLACES TO THE LEFT. APR 23 2011 **MELT METHOD:** VIN + ELECTROSLAG REMELTED MECHANICAL PROPERTIES HARD GRAIN YIELD TENSILE XELG R/A DEG NESS SIZE . 2XPSI PSI X HEAT/LOT QUANTITY X 100 X 100 Z1375MK 1595 28.1 51.5 ROOM TEMP--CAPABILITY .. 1022 HEAT TREAT #2 26.8 49.1 ROOM TEMP--CAPABILITY ** 1113 1647 HEAT TREAT #1 HEAT TREAT #1 29.7 KARDNESS -HRC -CAPABILITY HARDNESS -HRC 27.6 HEAT TREAT #2 -CAPABILITY 1200 DEG F/ 75,000 PSI STRESS/ 062.0 HRS / 9.8XEL IN 4D /16.2XRA/ STRESS RUPTURE-CAPABILITY

HUNTINGTON ALLOYS CORPORATION

A Special Metals Company

NOTE: THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PLINISHABLE AS A FELONY UNDER FEDERAL STATUTE

WESTERN U.S.	•	T VIRGINIA 25705-1771		AS A FELO	INY UNDER FEDERAL STATUTE	
A-1 WIRE TECH	CERTIFIED MATERIAL	TEST REPORT	No.	84052		
840 AIRPORT DR ROCKFORD, IL 61109	1	DATE	PAGE	OF.	AND TESTS HAVE MEEN PERFORMED IN ACCOMMANCE MAD TO	
	300018997 1	06/24/09	3	3	PREPRESENTS THE ACTUAL ATTRIBUTER OF THE MITTER	
h i wang angu aya	7332 LBS	HA/SHC			THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN THE COMPLIANCE WITH ALL ORDER AND IMPORTING SCHURE COMP	
A-1 WIRE TECH INC 4550 KISHWAUKEE ST ROCKFORD IL 61109	CHARGE ORDER NO. 22351-2	MAPIK ORDER NO. 22351-2			ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENT	
	OF MICHAEL .3120 IN CO.		HR ROD	- COII	PRL ANN	
"QUALITY SYSTEM MEETS REQUIR ANNEX 1, CHAPTER 4.3 PER ABS AUTHORIZED QUALITY CERTIFICA W.E BOLEN, P.D. CUSTER, M.A	TION REPRESENTATIVES : . MORRISON, P. WAUGH, D.:	1734 (EXPIRES J	EQUIPMEN ULY 31,	NT DIRE 2011).	CCTIVE),	
CERTIFIED TESTING LABORATORY AEBG VENDOR NO. 47150			. /			

A66909

RADCLIFF WIRE, INC.-r-Z1375MK13



A-1 Wire Tech, Inc. Rockford, Illinois north america's premier maneractures of high mickes & charges a steel actors

Certified Material Test Report

HEAT/LOT

4550 Kishwaukee Street Rockford, Illinois 61109

Load ID. 00080266

Z1375MK13

SOLD TO

Page 1

Radcliff Wire 97 Ronzo Road Bristol, CT 06011-0603 USA

QUALITY SYSTEMS Certificate 3.1 as in EN 10204 Material manufactured in accordance with a quality management system certified to ISO 9001:2008 by ABS-QE (Certification No. 33373)

SALES ORDER 094922 / 1

Date Printed 08/12/2010

CUSTOMER P.O. 41848

CUSTOMER PART

116566

QUANTITY PIECES 381.00

SHIPMENT DATE 08/12/2010

PRODUCT: Alloy: A286

Diameter:.034" Temper: 1/8 Hard

Finish:.

CERTIFICATION REQUIREMENTS

7662861-034-50-ST

*As Shipped Properties

*Tensile			UNITS ksi				RESULTS 111				
					Chemical	Analysis %					
, 04	Mn . 11	si .18	. 007	s .003	Cr 14.57	Ni 24.52	Co .06	Ti 2,14	. 3	Fe 56.57	
Cu . 06	Mo 1.26	В .006	A1 .17	Pb PPM.3	Bi PPM<.1						

Specifications

DFARS COMPLIANT / MELT SOURCE: HUNTINGTON ALLOYS / COUNTRY OF ORIGIN: USA / MFG: USA

Specification:

APR 2 3 2011



End of Certification

Visual and dimensional examination Satisfactory

Material, when shipped is free from contamination by mercury, radium, alpha source, and low malting point elements.

This is to certify that all required samplings, inspections, operations and tests performed by A-1 Wire Tech, Inc. and its subcontractors are in accordance with the specification requirements. The test report represents the actual attributes of the material furnished and the values shown are correct and accurate. The material described by this certificate is in full compliance with all order and inspection requirements. We hereby certify that the above data are in accordance with the specification requirements.

Sugar Mulli

Suzanne Mullins Quality Assurance Manager



A Division of Charter Manufacturing Company, Inc.

EMAIL

1658 Cold Springs Road

Saukville, Wisconsin 53080

(262) 268-2400

1-800-437-8789

FAX (262) 268-2570

CHARTER STEEL TEST REPORT Reverse Has Text And Codes

Wiretech Incorporated 6440 East Canning Street Los Angeles, CA-90040 Kind Attn :Cert To Contact

ıst P.O.	6500-5
Part#	8740C1A060-C-R
s Order	70010384-
Heat #	(10070600
p Lot#	4025632
Grade	8740 R SK FG AQ 1/4
Process	HRSA
sh Size	1/4

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies these requirements.

Lab 0-d-: 7300	Test Results of Heat Lot# 10070600											
Lab Code: 7388 CHEM %Wt	C .41	MN .96	P .009	S .008	Si .25	NI .42	CR .42	MO .21	CU .12	SN .008	V .001	
	AL .025	N .0070	B .0002	TI .002	NB .002							
JOMINY(HRC)	JOM01 58	JOM02 57	JOM03 56	JOM04 54	JOM05 52	JOM06 48	JOM07 44	JOM08 41	JOM09 38	JOM10 36	JOM11 35	JOM12 33
	JOM13 33	JOM14 32	JOM15 31	JOM16 31	JOM18 30	JOM20 29	JOM22 29	JOM24 29	JOM26 28	JOM28 28	JOM30 28	JOM32 28

JOMINY SAMPLE TYPE ENGLISH = R JOMINY LAB = 0358-01
MACRO ETCH SURFACE = 1 MACRO ETCH RANDOM = 1 MACRO ETCH CENTER = 1
AMS 2301 FREQUENCY INDIVIDUAL = .13
AMS 2301 SEVERITY AVERAGE = .03 AMS 2301 SEVERITY INDIVIDUAL = .10
CHEM. DEVIATION EXT.-GREEN =

MAR 19 2011

REDUCTION RATIO = 616:1

Test Results of Rolling Lot# 1012688

Test Results of Processing Lot# 4025411,4025632
Min Value Max Value Mea Min Value Mean Value # of Tests 86.9 86.3 **TENSILE LAB = 0358-02** 85.6 TENSILE 2.0 RA LAB = 0358-02 RB LAB = 0358-02 REDUCTION OF AREA 65 63 64 2 82 **ROCKWELL B** 2 82 83

FREE FERR & PARTIAL DECARB = .003 SPHERODIZATION = 80.0 NUM DECARB = 1 FREE FERRITE DECARB = .000 CP SPHERO % LAB = 0358-02 NUM SPHERO = 1

Specifications: Manufactured per Charter Steel Quality Manual Rev 8,12-05-07

Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents:

Customer Document = COP 3010 Revision = M Dated = 12-MAR-03

Additional Comments:

MEETS REQUIREMENTS OF SPECIFICATIONS AMS8322N/AMS2301J/MIL-S-6049A

Charter Steel Saukville, WI, USA	3 2.
	ACCRECIT
Rem: Load1,Fax0,Mail0	Page 1 (

Janice Barnard Manager of Quality Assurance 07/07/2010





CERTIFIED TEST REPORT http://Certs.KalserAluminum.com

Kaiser Aluminum & Chemical 600 Kaiser Drive Heath, OH 43056-1088 740-622-1151

CUSTOMER PO NUMBE	ER:	CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:					
13216		6Z37KH		ALY-JUMBO	ALY-JUMBO				
KAISER ORDER NUMBI	BER: LINE ITEM:		SHIP DATE:	ALLOY:	TEMPER:				
214520770	1	07	//21/2010	K540	F				
WEIGHT SHIPPED:	QUANTITY:	8/1.	NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:			
38181 lbs.	182 pcs	61	156	0.375 ln.	0.000 in.	0.0 in.			
SHIP TO:				SOLD TO:					
NICHOLS WIRE INC. 1547 HELTON AVE FLORENCE, AL 35630			NICHOLS WIRE INC. 1547 HELTON AVE FLORENCE, AL 35630						

Test Code: 4000

Actual Physical Properties

Lot No.

845426 0.0

Chemical Composition, WT. % (Aluminum Remainder)

Lot Cast/Drop ChemID	/	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti		_
845426 7-4 F 2 152296	Act.	0.04	0.06	0.00	0.08	4.7	0.07	0.01	0.01	A PEC	
Chemical Limits	Min Max	0.30	0.40	0.10	0.05 0.20		0.05 0.20	0.10	0.05	16	er Alvinia
		Others	Each	0.05	Max		Total	0.15	Max	201	um Fab 15426

CERTIFICATION

Kaiser Aluminum & Chemical Corp Inc. ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

John R. Despins, Technical Manager

John R. Dezains

Page 1 of 2

Plant Serial: 10125

Kaiser Order Number: 214520770

Line Item: 1

A6590

5 O 1

A

KLX¹,

Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

CUST REF#

LOT-NUMBER

MANUFACTURER CCODE MFR DATE EXP DATE

8710771

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Form 67 Rev 1.0





Order No: S0322236

Order Date: 05/06/08 Print Date: 10/31/08 Page:

Cherry Aerospace 1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157 USA

Sold-To: 10017870

S HONEYWELL INTERNATIONAL INC. O ATTN: ACCTS PAYABLE

L PO BOX 981157 D EL PASO, TX 79998

T USA

Ship-To: 10041884

HONEYWELL INC. HPG
ALLIANCE GATEWAY 54
700 HENRIETTA CREEK RD
ROANOKE, TX 76262

TO

USA

Salesperson (s):106

Credit Terms: net 30

Net 30

Purchase Order: 903710

Ship Via: YELLOW

FOB: Origin - Collect

Remarks:

FASTENERS ECCN: 9A991d, SCHEDULE B# 8803300010

FASTENERS ECCN. 9A99Td, 3CHEBOLL 5... Site Oty Open Promised

Ln Item Number T LocationLot/Serial Oty to Ship UM Shipped

CR3242PR-4-02

1600

EA 10/27/08

* ALSO CERTIFY TO:

- * ASNA0077A402X
- * M7885/7-4-02
- * NAS9305B-4-02
- * NAS9305BNS-4-02
- * S2457-4-2
- * CR3242-4-02

EZ LINE 87107710

35000.0

,

TEST REPORTS ENCLOSED

DO NOT DESTROY

HONEYWELL SOURCE

ACCEPTED:

Stamp: ACC

Date: 11-01-08

Packing List

= 204 F



Cherry Aerospace 1224 East Warner Avenue

Post Office Box 2157 Santa Ana, CA 92707-0157



PACKING LIST

Order No: SO322236 Order Date: 05/06/08

Page:

Print Date: 10/31/08



Sold-To: 10017870

HONEYWELL INTERNATIONAL INC.

ATTN: ACCTS PAYABLE

PO BOX 981157 EL PASO, TX 79998

USA

Т

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D

1

Ship-To: 10041884

HONEYWELL INC. HPG Н **ALLIANCE GATEWAY 54** I 700 HENRIETTA CREEK RD P ROANOKE, TX 76262

Т **USA**

Salesperson (s):106

Credit Terms: net 30

Net 30

Purchase Order: 903710

Ship Via: YELLOW

FOB: Origin - Collect

Remarks:

FASTENERS ECCN: 9A991d, SCHEDULE B# 8803300010

Qty Open **Promised** Site Shipped Qty to Ship UM T LocationLot/Serial Item Number Ln

CR3242PR-4-02

- * ALSO CERTIFY TO: * ASNA0077A402X
- M7885/7-4-02
- * NAS9305B-4-02
- * NAS9305BNS-4-02
- * S2457-4-2
- * CR3242-4-02

1600

EΑ 10/27/08



EZ LINE 87107710

35000.0

TEST REPORTS ENCLOSED DO NOT DESTROY

HONEYWELL SOURCE ACCEPTED:

Date: 11-01-08

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be avaliable for your inspection at any reasonable time.

Quality Assurance Representative

DAWN MILLER



1224 East Warner Avenue Santa Ana, CA 92707-0157



Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Part Numbers Proc. Spec. Rev Rev CR3242PR-4-02 PS-CMR-3000 R CR3242-4-02 PS-CMR-3000 R

Lot I.D. No.: 87107710

Lot Size: 35,000

October 31, 2008 MFG. Date:

** See 2nd Page for the Customer Parts

ASSEMBLY DATA

TYPE	ID#	CERT#	MATERIAL	FINISH	LUBE	
Rivet	87107710	A59915	QQ-A-430/5056	MIL-C-5541 CLEAR CL1A	None	
Stem	87126777	A59918	AMS6322 / 8740ST	QQ-P-416/T2CL2/CAD PL	None	
Collar	00000000	A59965	A-286 / AMS5731	Passivate per AMS2700	None	1

W.O. #: 5341614 Final Lube: None

MECHANICAL STRENGTH TEST

	INSTALLED S	SHEAR	TENSIO	N	SPII		DISASSEMBLY	
MIN REQ'D	480		345			125	150	10
SAMPLE SIZE	8	5	8	5	5	8	5	5
SPECS	C-N-M	В	C-N-M	В	C-N-M	М	В	C-N-M-B
RESULTS	928	1010	426	433	234	247	215	64
ļ	914	949	432	426	266	264	264	34
!	897	962	462	425	265	238	260	51
į	924	978	423	426	249	244	216	58
	947	996	432	422	284	219	310	64
=CR N=NAS	900		426			241		
I=MIL B=BAC OAD VALUES	899		418			220		
N POUND	912		423	İ		230		

METALLURGICAL AND OTHER RELATED TESTS/REQUIREMENTS

STATUS PCS. **ITEM** PCS. **STATUS** ITEM PASS <u>20</u> INSTALLATION (Min and Max Grips) **PASS** 125 **EXAMINATION** Locking feature (missing collar/spindle) Spindle Protrusion/Recession Roundness/Concentricity Collar Protrusion Dimensional, ID Marks, Tool Marks/Nick Blind Head Dia./Formation Visual (grip/material code, ID) Tightness in plate Laps, seams, folds

Comments:

Blind Fastener

Tr. Rev:

Q Code

Rev. Date: 10/31/2008

Inspector V Iriarte

Cherry Aerospace certifies that the product tested above conforms to all referenced specifications listed and that the priginal data are available for review upon sufficient notice. Cherry Aerospace further certifies that the articles listed above have been manufactured and inspected in accordance with FAA TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Substitution of parts may only be done if acceptable to or approved by the FAA Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory. The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

Form No. 1141-10-75 Rev. D 08/16/07 CR07-0919



Page 1 of 2



1224 East Warner Avenue Santa Ana, CA 92707-0157



Chemical Processing Heat Treating ISO/IEC 17025 Material Testing Lab

Final Inspection & Test Report CherryMax® Rivet

Lot I.D. No.:

87107710

Rev:

Customer Parts List

An ISO9001 and AS9100 registered company. OASIS #6111041606

Customer Part Number	Rev	Proc. Spec.	Rev
NAS9305BNS-4-02	4	NAS1686	3
ASNA0077A402X	N	MIL-R-7885	D2
ASNA0077A402X	N	NAS1686	3
ASNA0077A402X	N	PS-CMR-3000	R
BACR15FP4B2R	W	NAS1740	8
M7885/7-4-02	C1	MIL-R-7885	D2
NAS9305B-4-02	4	NAS1686	3
S2457-4-2	E	MIL-R-7885	D2
S2457-4-2	E	NAS1686	3
S2457-4-2	E	PS-CMR-3000	R

Parts delivered in accordance with the standard amendments as agreed by Cherry/EADS.



CERTIFIED INSPECTION REPORT AND TEST RESULTS

NICHOLS WIRE, INCORPORATED

1547 Helton Drive - Florence, AL 35630

SHIP TO:

SOLD TO:

CHERRY AEROSPACE LLC

CHERRY AEROSPACE LLC

VMI / CONSIGNMENT AGREEMENT

VMI / CONSIGNMENT AGREEMENT

1224 EAST WARNER AVE

1224 EAST WARNER AVE

SANTA ANA, CA 92707-0157

SANTA ANA, CA 92707-0157

Customer PO Number VPO90156-2	N	W WORK ORDER NO. 14579	Thane Pragies
DESCRIPTION .137 5056 H32 STEM			AUTHORIZED SIGNATURE QUALITY CONTROL MANAGER
CUSTOMER PART NO.	ALLOY 5056	TEMPER H32	We hereby certify that the material covered by this report has been inspected in accordance with, and has been found to meet, the applicable requirements
NW PART NO. H137A1		DATE SHIPPED 9/30/2008	described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition
WEIGHT SHIPPED 1,052			limits and had the mechanical properties shown on this sheet.

		ULTIMATE		YIE	LD	% ELON	IGATION
		STRENG	STRENGTH K.S.I.		STRENGTH K.S.I.		
LOT NUMBER	# OF TESTS	Min	Max	Min	Max		
K-842870 ′	2	48	48.2				

COMMENTS:

M005-1370 REV P QQA 430 MILL SOURCE KAISER MADE IN USA



A59915

OCT 1 1 2008

		SILICON		IR	ON	COP	PER	MANG	ANESE	MAGN	ESIUM	CHRC	MIUM	ОТН	ERS
	ALLOY	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
CHEM			0.30		0.40		0.10	0.05	0.20	4.50	5.60	0.05	0.20	0.05	0.15
		NIC	KEL	ZII	NC	TITA	NIUM	LE	AD	BISM	IUTH				
COMP	5056	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min .	Max
ס					0.10										
			<u>L</u>		· · · · · · · · · · · · · · · · · · ·		ALU	MINUM	REMAIN	DER					



KAISER ALUMINUM

FLORENCE

600 KATSER DRIVE HEATH, OH 43056

O TO A

NICHOLS WIRE INC. 1547 HELTON AVE

AL 35630

0000

NICHOLS WIRE INC. 1547 HELTON AVE

FLORENCE

AL 35630

NICHOLS 8621 01 4000 DI MADE IN USA CUSTOMER PURCHASE ORDER NO. & ITEM KAISER ORDER NO 12462 214498930 ALLOY TEMPER WIDTH LENGTH CERTIFICATION K540 F .37500 00.0000 000.000 ITEM ORDERED 'KAISER ALUMINUM & CHEMICAL CORPORATION ('KAISER') HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER HAS BEEN INSPECTED AND TESTED AND FOURD IN CONPORMACE WITH THE APPLICABLE SPECIFICATIONS FORMING A PHAT OF THE DESCRIPTION SET FORTH IN KAISER'S SALES ORDER ACKNOWLEDGEMENT FORM. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERRAS & CONDITIONS OF SALE. ALY-JUMBO CUSTOMER SPECIFICATION PART NUMBER DATE SHIPPED 6237KH 8621 09/02/08 Technical Manager GOVT. CONTRACT NO. WEIGHT SHIPPED NO. OF PIECES 39,938 192 NONE LOT NUMBER 8428707 NZA MIN MAX N/A Fe Cu 135948 51 Cr nn) Mb Zn .00 4 03 .061 83-11F .06 4 D6 < .01 PRODUCT PRODUCED FROM KS40 MEETS THE REDUIREMENTS OF ALUMINUM ALLOY 5056 DCT 1 1 2008

			СН	EMICAL C	OMPOSIT	ION (WT.9	%)			
	Cu	fe	St	Mn	Mg	2n	Cr	55	Others	
MIN	.10	.40	. 30	.05	4.5 4.9	.10	.05	.05	.15	
		<u></u>	<u></u>	ALLIMINI	JM REMA	INDER				

09-41-0147 Rev. 07/05

PHC



SOLD TO

CHERRY AEROSPACE LLC 1224 E. WARNER AVENUE SANTA ANA, CA 92705-5414 USA

CERTIFICATION

WORK ORDER 064988

HEAT NO. 554690 SALES ORDER / RLS 827804 / 1 ISO 9001-2000 REGISTERED



MECHANICAL TESTING CERT # 911.01

CUSTOMER P.O. **CUSTOMER PART** QUANTITY **CARRIERS** LADING NO SHIPMENT DATE 10/10/2008 00074478 **VPO92778** m272.1040 3,174 Lbs SPECIFICATION C208740-101040A A-8740, AQ, SKFG, CHQ WIRE, SEAM & DECARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size: 0.103/0.105 Specifications: AMS2301H, AMS6322N, MIL-S-6049A, AMEND1, ASTM-A-547, AMS-S-6049-A, M 272.1040 REV. P. CERTIFICATION REQUIREMENTS **Chemical Properties** Cu Ni Cr Mo С Si Mn . 44 . 22 . 25 . 43 . 41 .25 .93 .021 .011 **Physical Properties** Grain Size Jominy 1 Jominy 2 Jominy 3 Inclusions Macro Cleanliness Mill Source Charter J8=49 J10=44 S2-R1-C2 GOOD

Country of Origin USA - DFAR Compliant

6 J5=54

Mechanical Properties Results **UNITS IESI** 134.1 **Tensile Strength** KSI 114.0 KSI **Yield Strength** % Elongation % 62.8 % Reduction of Area % 29 HRC Rockwell Hardness C Scale OCT 1 3 200R 0.00 Decarb (Total)

Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by ecceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. The recording of false, fictitious or traudulent statements or entries on this document may be punished as a felony under Federal statutes including Federal law. Title 18, Chapter 47."

REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.

Wire Tech, Inc. metallurgical laboratory is accordited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 1077, [F1 140, inclusion rating per ASTM E 45, decarburization performed as per IF1 140.

The reported Chemical and Physical Properties are Met Source results. Transcribed from mill cartificates. HRB(W) are hardness results performed with a 11/16" carboide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.

TEST RESULTS RELATE ONLY TO THE ITEMS TESTED.

"LATEST REVISIONS OF ASTM"

Material is free of mercury. radium. or alpha contamination

Material is free of mercury, radium, or alpha contamination.

Mike Martinez



QA Manager

10/10/2008

DATE

qtc302 (v1.1)

page 1 of 1

m:\ori



Charter Manufacturing Company, Inc.

A Division of

EMAIL .

1658 Cold Springs Road

Saukville, Wisconsin 53080

(262) 268-2400

DRT

CHARTER STEEL TEST REPORT
Reverse Has Text And Codes

1-800-437-8789

FAX (262) 268-2570

Wiretech Incorporated 6440 East Canning Street Los Angeles,CA 90040 -Attn: Janice Duran

Maria 2004 Minute Com	6244
Control of the contro	8740C1A060-C-R
(Chane) Sales Oncer	270825
State State (1984)	554690
ica projekta Shifationika	556864
e e e e e e e e e e e e e e e e e e e	8740 R SK FG AQ
S to Parasis Pionessi	SA
gas as Africisi Size	1/4

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies those requirements.

					Test	Results o	of Heat Lo	t# 554690)			
Lab Code; 738												
OUTS. MELT S	OURCE H	EAT NUM.	. = N/R									
Chemistry	С	MN	P	S	SI	NI	CR	MO	CU	SN	V	
Wt%	0.41	0.93	0.021	0.011	0.250	0.43	0.44	0.22	0.25	0.009	0.001	
	AL	N	В	TI	NB							
	0.025	0.0070	0.0001	0.001	0.001							
Jominy (HRC)	JOM01 58	JOM02 57	JOM03 57	JOM04 56	JOM05 54	JOM06 53	JOM07 51	JOM08 49	JOM09 46	JOM10 44	JOM11 42	JOM12 40
5 144	JOM13	JOM14	JOM15	JOM16	JOM18	JOM20	JOM22	JOM24	JOM26	JOM28	JOM30	JOM32
5 T	40	39 -	38	37	· 36	35	34	34	33	33	33	32

WireTech-r-554590

JOMINY SAMPLE TYPE ENGLISH = B JOMINY LAB = 0358-01
CHEM. DEVIATION EXT.-GREEN = N/R
MACRO ETCH SURFACE = 1 MACRO ETCH RANDOM = 1 MACRO ETCH CENTER = 1
AMS 2301 FRQ AVE = 0.00 AMS 2301 FRQ IND = 0.00
AMS 2301 SEV AVE = 0.00 AMS 2301 SEV IND = 0.00

Test Results of Rolling Lot # 402073

MAX ALLOWABLE DEFECT = 0.0000 OC DEVIATION EXT.-GREEN = N/R

		Test Results of P	rocessing Lot # 558	864	
	# of Tests	Min Value	Max Value	Mean Value	
FENSILE (KSI)	2	86.1	86.5	86.3	TENSILE LAB = 0358-02
REDUCTION OF AREA (%)	2	64	67	66	RA LAB = 0358-02
ROCKWELL B (HRBW)	2	83	85	84	RB LAB = 0358-02
ROCKWELL C (HRC)	0	0 .	0	0 .	RC LAB = N/R

NUM DECARB = 2 FREE FERRITE DECARB = 0.000 FREE FERR & PARTIAL DECARB = 0.003 CP SPHERO % LAB = 0.358-02 NUM SPHERO = 2 SPHERODIZATION (%) = 80.0 QC DEVIATION EXT.-PROCESSED = N/R

Specifications:

Manufactured per Charter Steel Quality Manual Rev 8, 12-05-07

Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents:

Customer Document = COP 3010 Revision = M Dated = 12-MAR-2003

Additional Comments:

MEETS REQUIREMENTS OF SPECIFICATIONS AMS6322N/AMS2301J/MIL-S-6049A



OCT 1 3 2008

M Charter Steel

Q Saukville, WI, USA

Constitution (Constitution)

= 20

204F

Janice Barnard Manager of Quality Assurance 08/25/2008

Fax number: (323) 721-2738

Rem: Load1, Mail0, Fax1

NOC.

M

PHC/2

The following statements are applicable to the material described on the front of this Test Report:

- 1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States.
- Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury during processing.
- 3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
- 4. The laboratory that generated the analytical or test results can be identified by the following key:

Certificate Number			Laboratory	Address
0358-01	7388	CSMD	Charter Steel Melting Division	1653 Cold Springs Road, Saukville, WI 53080
0358-02	8171	CSRD/ CDPD	Charter Steel Rolling/ Processing Division	1658 Cold Springs Road, Saukville, WI 53080
0358-03	123633	P4	Charter Steel Ohio Processing Division	6255 US Highway 23, Risingsun, OH 43457
0358-04	125544	csc	Charter Steel Cleveland	4300 E. 49th St., Cuyahoga Heights, OH 44125-1004
358.05	128003	CSDT	Charter Steel Detroit	23860 Sherwood Ave. Center Line, MI 48015
•	•		Subcontracted test perfo	rmed by laboratory not in Charter Steel system

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

Possible Laboratory	Specification
CSMD, CSC	ASTM E415; ASTM E1019
CSC	ASTM E572
CSMD, CSC	ASTM E381
CSMD, CSC	ASTM A255; SAE J406; JIS G0561
CSMD	ASTM E112
CSRD/CSPD, P4, CSC, CSDT	ASTM E8; ASTM A370
CSMD, CSRD/CSPD, P4, CSC, CSDT	ASTM E18; ASTM A370
CSRD/CSPD, P4	ASTM A892
CSRD/CSPD, CSC	ASTM E45
	CSMD, CSC CSC CSMD, CSC CSMD, CSC CSMD CSRD/CSPD, P4, CSC, CSDT CSMD, CSRD/CSPD, P4, CSC, CSDT CSRD/CSPD, P4

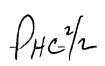
Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 01/31/09.

All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

- 6. The test results on the front of this repot are the true values measured on the samples taken from the production lot. They do not apply to any other sample.
- 7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions:
 - ■It may be distributed only to their customers
 - ■Both sides of all pages must be reproduced in full
- 8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Purchase Order number) to the customer's purchase order. Both Purchase Order numbers appear on the front page of this Report.
- 9. Where the customer has provided a specification, the results on the front of this test report conform to that specification unless otherwise noted on this test report.



OCT 1 3 2008







Certificate of Analysis

Radcliff Wire Inc. 97 Ronzo Rd., P.O. Box 603, Bristol, CT 06010

Date Shipped: 10/8/2008

PO #: VP091194

Qty. Shipped: 112 LBS-10 BLACK

MIG SPOOLS

Radcliff No.: 112794

Heat No.: QG890 ✓

Customer: CHERRY AEROSPACE

SANTA ANA OPERATIONS

1224 EAST WARNER AVE SANTA ANA, CA 92705-5414 Country of Origin: FRANCE

Original Mill Source: FRANCE

Size:

.006 X .011 X .056 ***

Notes:

DFAR COMPLIANT PART# M189.44 REV V /

NET WGT 112 LBS

Material: A286 Stainless Steel

Description: SPECIAL SHAPE

Specification: AMS 5731 REV L CHEM OINLY

Chemical Properties

Al: 0.16% 1

B: 0.007% *

Bi: <0.00002%

C: 0.04% ✓

Co: 0.21% *

Cr: 14.71% *

Cu: 0.38% 1

Fe: BAL% Pb: <0.0001%

Mn: 1.75% /

Mo: 1.25% ✓

NI: 24.53% /

P: 0.015% <

S: ,0.001% *

Si: 0.11% 🗸

Ti: 2.17% •

V: 0.32% •

Tensile: 96 KSI

Rockwell:

OCT 2 7 2008

Certs/Material

Lisa Piatek

Certification Clerk

The material as shipped is free from mercury contamination



PERTH, ON ERIN. ON DUMAS, AR LANCASTER, SC 613-267-3752 FAX 613-267-5617 519-833-9632 FAX 519-833-2213 870-382-2980 FAX 870-382-6988 803-283-3353 FAX 803-283-6303



UNION, IL HOUSTON, TX PERRIS. CA

1116175

815-923-2131 FAX 815-923-2126 713-466-1000 FAX 713-466-7425 951-657-2105 FAX 951-943-6061

THE LEADING MANUFACTURER OF STAINLESS STEEL, NICKEL AND COPPER ALLOY WIRE PRODUCTS EXECUTIVE OFFICES: PERTH, ON CANADA - EMAIL sales@centralwire.com

9/04/08

044

UNION WIRE PLANT
OLSON & JEFFERSON STREET
TEL: 815-923-2131
UNION, IL 60180-0423
FAX: 815-923-2126

39808

SPECIFICATIONS:

CERTIFICATE OF CONFORMANCE

QTY SHIP 589

4081679

SOLD TO	RADCLIFF WIRE P. O. BOX 603 BRISTOL		06011	-0603	SHIP TO	RADCLIFF 97 RONZO BRISTOL			Г 06110-0603
	USA				,,	USA			
CU	STOMER'S PO NO.	TYPE OF	CERT	CUSTO	MER	ORDER N	10.	WORK ORDER	DATE SHIPPED

124610

	ITEM DESCRIPTION		
DESC	RIPTION	SPEC. CLASS	HEAT
Forming A286SF SKIN PASSED Bright .0420 200LB.Plas	Melt mill ArcelorMittal		QG890
.0420 200LB.Plas Clean	Country of origin FRANCE	QTY SHIP	,

Customer

		CHEN	IICAL ANALY	rsis		
C. . 04	MN 1.75	SI .11	.015	s .001	CR 14.71	NI 24.53
MO 1.25	.38	CO .21	AL .16	TI 2.17	FE Balance	B .007
V .32	8I < .00002	PB < .0001				

AS SHIPPED PR	OPERTIES:						<u> </u>
TENSILE 103.000 KSI MIN	TENSILE 114.000 KSI MAX		·				
FTER HEAT TR	REAT PROPERTIES:		 ·····			-	
					A	- RACCI	
<u></u> -					(A)	ος V 12 με	595
				007.0	7 2008	NRE. 2	= 65

"PASSIVATED IN PROCESS"

The material as shipped is free from mercury contamination. I certify the chemical analysis and physical and mechanical test results reported above are correct as contained in the records of the company.

Very truly yours,

AUTHORIZED SIGNATURE



FormSprint Form: T_CERTO, 05/04/08



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • STA: MIAMMCR

www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

F00033260-37076

DESIGNED METAL DBA P 14798

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Form 67 Rev 1.0



PERMASWAGE - Nelson Aerospace

A Designed Metal Connections, Inc. Company 14800 S. Figueroa St

> Gardena, CA 90248 Ph: 310-323-6200 Fax: 310-217-3192

Pack Slip:

58701

58701

Sales Order: 29800

29800-2-1

Page:

1 of 1

Cusiomai Packing one

Ship To:

B/E AEROSPACE CONSUMABLES MANAGEME

9835 NW 14TH ST **MIAMI FL 33172** USA

Sold To:

B/E AEROSPACE CONSUMABLES MANAG

10000 NW 15TH TERRACE MIAMI FL 33172-2756

USA

Verify AES requirements prior to shipment.

Verify AES requirements prior to shipment.

305-507-7192 Fax:

Ship Date:

9/3/2014

Ship Via: FEDEX GROUND

FO.B.: EX WORKS

0RLR87 Cust P.O.:

Salesperson: JIM THOMPSON

3.77

aniografic appnarit da

Parkflumbar Capitalism.

Lot Mumber

FFDEX GRD # 0331-0149-0

RELEASE # BR500RLR87

5.000

5,000

MS20819-12J

SLEEVE

F00033260-37076

Sale Order / Line / Release: 29800 / 2 / 1

Customer PO Number:

0RLR87

Certificates Required:

Standard Certification: **Full Certifications:**

Yes Nο

First Article Inspection: Chemical/Physicat

No No Material Certificate: FAIR per AS9102:

No No

Product is compliant to DFAR 252.225-7009

5 BOXES - 10X10X10 - 30 LBS EA

AN, MS, AS, NAS and other industry standard parts controlled by ECCN 9A991 and HTS 8803.30.00.00 Products listed have not been exposed to mercury or mercury compounds during the manfuacturing process. II MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY PERMASWAGE-NELSON AEROSPACE SALES @ 818-686-0900 II

WE HERBY CERTIFY THAT ALL PROVISIONS OF THE FAIR LABOR STARNDARDS ACT ON 8/25/83 AS AMENDED HAVE BEEN FULLY COMPLIED WITH IN THE MANUFACTURE, PRODUCTION OR PURCHASE OF GOODS LISTED HEREON. ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE ALL PAST DUE ACCOUNTS SHALL BEAR INTEREST AT THE RATE OF 1/12% PER MONTH (18% PER ANNUM).

Cartification of Conformance

NELSON AEROSPACE WARRANTS THAT THE ITEMS OF THIS SHIPPER WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM, ACCOMPANYING THE ITEMS OF THIS INVOICE, ARE IN CONFORMITY WITH CONTRACT REQUIREMENTS AND SPECIFICATIONS, GOVERNMENT OR OTHERMSE. NELSON AEROSPACE DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF THE FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF NELSON AEROSPACE IS EXPRESSLY WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF THE FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF NELSON AEROSPACE OF A DEFECT IN MATERIAL OR WORKMANSHIP, SUCH REPLACEMENT SHALL CONSTITUTE SATISFACTION OF ALL LIABILITY NELSON AEROSPACE BE LIABLE FOR AEROSPACE MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLANCE OR OTHERMSE, AND IN NO EVENT SHALL NELSON AEROSPACE BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMANGES. FURTHER, NELSON AEROSPACE MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECIEPT BY THE CUSTOMER.

COUNTRY OF ORDER.

BY RECEIVING DELIVERY OF THE GOODS COVERED BY THIS PACKING SLIP, BUYER EXPRESSLY ASSENTS TO THE TERMS AND CONDITIONS SET FORTH

Manager of Quality Assurance or Designee





Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

THE REPORT OF THE PROPERTY OF

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

CUST REF#

LOT-NUMBER

MANUFACTURER CCODE MFR DATE EXP DATE

87999211

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality



Form 67 Rev 1.0



Cherry Aerospace

1224 East Warner Avenue Post Office Box 2157



PACKING LIST

Order No: S0383638 Order Date: 05/12/14 Print Date: 10/09/14

Page:

Santa Ana, CA 92707-0157

Sold-To: 10015341

B/E AEROSPACE OL PO BOX 025263

MIAMI, FL 33102-5263

D USA

Т

Ship-To: 10043053

B/E AEROSPACE INC. Н CONSUMABLES MANAGEMENT I 9835 NW 14TH ST P

MIAMI, FL 33172

T USA Ō

Salesperson (s):110

Credit Terms: NET 30

Net 30

Purchase Order: 0XZL19

Ship Via: FED EX NATIONAL CL

FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0 IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

*IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7009 ALT I

*PREFERENCE FOR DOMESTIC SPECIALTY METALS

RELEASE# LST1

Unless otherwise specified on this order, Cherry will manufacture and certify parts to the part number's latest revision. Latest revisions are shown at https://bizpartner.cherryaerospace.com/partrevisions.htm under "Part Number Revision List".

INCORRECT AND UNAVAILABLE PART NUMBERS WILL BE LINED OUT ON PO CHERRY AEROSPACE DOES NOT ACCEPT CLAUSE V IN REGARDS TO ISO17025- CHERRY

IS COMPLIANT TO NADCAP REQUIREMENTS ONLY

Site T LocationLot/Serial Qty Open Oty to Ship UM Promised Shipped

12/11/14

Item Number Ln

1600

EΑ

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

CR3213-4-02

ATTENTION: PURCHASING DEPARTMENT

Quality Assurance Representative

SIM NGUYEN

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.





Order No: S0383638 Order Date: 05/12/14 Print Date: 10/09/14 Page:

Cherry Aerospace 1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157

Sold-To:

10015341 **B/E AEROSPACE**

PO BOX 025263 MIAMI, FL 33102-5263

D **USA**

O

Ship-To: 10043053

B/E AEROSPACE INC.

CONSUMABLES MANAGEMENT

9835 NW 14TH ST MIAMI, FL 33172

USA

Т

Н

I

P

Site	Qty Open		Promised	
ocation Lot/Serial	Qty to Ship	UM	Shipped	
Ocalion Lovocium	<u> </u>			

CR3213-4-02

Customer Item: ASNA0078A402

5320-01-151-1061 B0207005-4-02 CAN43078B4-2 M7885/2-4-02

Item Number

MBBN3012L3202 NAS9301B-4-02 NAS9301BNS-4-02

S2906-4-2

ACTUAL CONTRACTOR OF THE PROPERTY OF THE PROPE

EZL-A48 87999211

34620.0

TEST REPORTS ENCLOSED DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

SIM NGUYEN

Quality Assurance Representative



Product Certification And Testing Report

Customer: CHERRY AEROSPACE LLC ATTN: ACCTS. PAYABLE 1224 EAST WARNER AVENUE P.O. BOX 2157

SANTA ANA

BWC Item No.

5O1230832041A01

92707-0157

Description:

.123" DIA. + - .0005" #4F 5056 - H32

#4 FINISH, ALUMINUM COLD HEADING WIRE X 22"

BLOCKWOUND 100# COILS.

Date >> 7/31/2014

Customer PO No.	BWC Lot No.:	iDate Shipped.
PO168166	26509	7/31/2014
Cust Itam ID : MODE 1	330	

REV. T

REV. C

 Alloy Si 505630			Chemical Limits			• •				Test Results					-	
	Fe - 40	Cu 10	Cu Mn	Mg 20 4.5 - 5	Cr .6 .05	Zn [*] .2010	Ti .	Others Each .05	Others Total Aluminum 15 Remainder Case No.	łbs	Diameter (in)	Tensile (psi)	Yield (psi)	Peak Load (lbs) EL %	Grain Size	
851660	.05	.08	.00	.06	4.8	:07	.00	.01		42824-1	529	0.1228	46,850.0		554.8	
852565	.03	.07	.00	.06	4.7	.07	.01	.01		42824-2	. 96	0.1227	46,200.0		546.3	

· Total Weight:

625

Specifications:

CUST SPEC

FED SPEC



A75288



Beneke Wire Company

WEICERTIFY THAT SAMPLES REPRESENTING THE MATERIAL COVERED INTHIS REPORT HAVE BEEN INSPECTED AND FOUND TO MEET THE COMPOSITION LIMITS AND MECHANICAL PROPERTIES SHOWN ABOVE. ANY WARRANTY IS LIMITED TO THAT SHOWN ON BENEKE WIRE COMPANY'S STANDARD TERMS AND CONDITIONS OF SALE.

Authorized Signature

Shannon King, Plant Metallurgist

Phone: (502) 367-6434



CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

Kaiser Aluminum Fabricated Products, LLC 600 Kaiser Drive Heath, OH 43056-1088 740-522-1151

Miscellaneous Notes

Made in USA

Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. Actual (Act) chemical composition is from representative samples taken during the ingot casting process. Independent chemical analysis will vary from these values because of natural variation in the process and testing error. This test report shall not be reproduced, except in full, without the written approval of Kaiser Aluminum. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law. Chemical analysis performed in accordance with ASTM E 1251-11. The Newark facility is AS9100C:2009 approved. The Newark Laboratory is NADCAP approved for chemical testing (OES).

The products you inquired and ordered are not governed by any applicable industry standard or custom specifications. They are produced, tested and released as such. By placing an order, you acknowledge and accept the full responsibility and liability for their fitness for the intended end use or end uses.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLP ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

Warren Marcucci, Technical Manager

Wany Mararai

A75288
Banaka Wire Company-r851650

Line Item: 1

AUG 1 1 2014

(III)

Plant Serial: 32469 Kaiser Order Number: 172556284

Page 2 of 2

SOLD TO

CHERRY AEROSPACE LLC 1224 E. WARNER AVENUE SANTA ANA, CA 92705-5414 USA

CERTIFICATION

WORK ORDER 107756

HEAT NO. 10315220 SALES ORDER / RLS 855468 / 1 ISO 9001-2000 REGISTERED



CERT# 911.01

CUSTOMER P.O. VP201301	CUSTON M272,1	DER PART	· · · · · · · · · · · · · · · · · · ·	QUANTITY 2,552		RIERS 4	LADING NO 00110757	SHIPMENT DATE 06/20/2014
SPECIFICATION C2 A-8740, AQ, SKF Size:0.1035/0.104 M 272.1040 REV.	G, CHQ WIF	RE, SEAM 8	L DECARB FI S 2301K, AMS	REE, SAIP 2 36322N, MII	Linc Phos S-6049 <i>A</i>	phate, Lim	e & Stearate C ASTM-A-547,	oating, AMS-S-6049-A,
CERTIFICATION REQ	UIREMENTS				·····			
			Chem	ical Proper	ties			
C . 41		Mn 35 ,00	p s	Cu , 08	Ni . 43	Cr .53	Mo . 22	WireTecn- 10315220
γ	***************************************		Physi	cal Proper	ies			2236
Grain Size 6 Country of O USA - DFAR C	J5=55 rigin	Jominy 2 J8=48		nclusions 2-R1-C2	GOOD	Cleanlin F&S=0	ess Mill So Charter	t t
			Mecha	nical Prope	rties			
TEST Tensile Strength Yield Strength % Elongation % Reduction of A Rockwell Hardne Decarb (Total)	Area	UNITS KSI KSI % HRC In				'n	W 2 3 2014	Results 133.8 113.8 5 56.9 29 0.00

Morchandisc covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific longth of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it in purchase price thereof, as we clect. Material cut pospetfic length or size cannot be returned for credit and request for cancellation of such orders will not be repayment of it in purchase price thereof, as we clect. Material cut pospetfic length or size cannot be returned for credit and request for cancellation of such orders will not be repayment of it. or to repayment of the purchase price thereof, as we cleck. Material cut has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse considered in the state of the merchandise covered by an under federal statutes including Farterial taw, Titil 18, foregoing terms and conditions and those set forth on the reverse considered and the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, mechanical testing per ASTM E 45, decarburization per ASTM E 18, and the following test: chemical analysis per ASTM E 45, decarburization per tormed as per IFI 140, metallographic mount preparation per ASTM E 37, decarburization per ASTM E 170°, acceptance of the metallographic mount preparation per ASTM E 170°, acceptance of t

Material is free of mercury, radium, or alpha contamination.

Garry Goodson

qtc302 (v1.1)

page 1 of 1

06/20/2014.

The following statements are applicable to the material described on the front of this Test Report:

- 1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States meeting DFARS compliance, LEEDS compliance, REACH compliance, ROHS-WEEE compliance, and Conflict Materials Restrictions.
- 2. Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury during processing.
- 3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
- 4. The laboratory that generated the analytical or test results can be identified by the following key:

Certificate Number	Lab Code	Labora	tory	Address
0358-01	7388	CSSM	Charter Steel Melting Division	1635 Cold Springs Road, Saukville, WI 53080
0358-02	8171	CSSR/ CSSP	Charter Steel Rolling/ Processing Division	1635 Cold Springs Road, Saukville, WI 53080
0358-03	123633	CSFP	Charter Steel Ohio Processing Division	6255 US Highway 23, Risingsun, OH 43457
0358-04	125544	CSCM/ CSCR	Charter Steel Cleveland	4300 E. 49th St., Cuyahoga Heights, OH 44125-1004
•	•		Subcontracted test performed by laborator	y not in Charter Steel System

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

Test	Specifications	CSSM	CSSR/ CSSP	CSFP	CSCM/ CSCR
Chemistry Analysis	ASTM E415; ASTM E1019	X			Х
Macroetch	ASTM E381	X			X
Hardenability (Jominy)	ASTM A255; SAE J406; JIS G0561	X			X
Grain Size	ASTM E112	X	X	Х	X
Tensile Test	ASTM E8; ASTM A370		Х	X	X
Rockwelll Hardness	ASTM E18; ASTM A370	X	Х	X	X
Microstructure (spheroidization)	ASTM A892		X	Х	
Inclusion Content (Methods A, E)	ASTM E45		Х		X
Decarburization	ASTM E1077		X	X	X

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 1/31/15. All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

- 6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They do not apply to any other sample.
- 7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions:
 - It may be distributed only to their customers
 - Both sides of all pages must be reproduced in full
- 8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Sales Order number) to the customer's purchase order. Both order numbers appear on the front page of this Report.
- 9. Where the customer has provided a specification, the results on the front of this test report conform to that specification unless otherwise noted on this test report.





Certificate of Conformance

Sold To: CHERRY AEROSPACE

SANTA ANA OPERATIONS

1224 EAST WARNER AVE

SANTA ANA, CA 92705-5414

Date Shipped: 04/15/2014

PO#: VP125694

Radcliff No.: 131313

Heat No.: QN237/12

Qty. Shipped: 105 LBS-8-BLACK MIG

SPOOLS

Item Description

.006 X .011 X .056 ***

A286 Stainless Steel

SPECIAL SHAPE

AMS 5731 REV L, AMS 5737 REV P CHEM

ONLY

Melting Country: France

Producing Country: United States

PART# M189.44 REV W CONSIGNMENT ORDER

Chemical Analysis

Al: 0.176%

B: 0.006%

C: 0.072%

Co: 0.13%

Cr: 14.79%

Cu: 0.102%

Mn: 1.72%

Mo: 1.23%

Ni: 24.55%

P: 0.015%

S: 0.003%

Ti: 2.19%

V: 0.309%

Si: 0.086%

Mechanical Properties

Rockwell: 93 KSI

MAY 13 2014

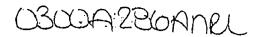
We certify that the chemical analysis, physical properties, and mechanical test results are correct as contained in our records, and that they conform to customer requirements.

Material as shipped, is free from mercury contamination.

Material is DFAR compliant

Lisa Piatek

Certification Clerk





131-1 Yusan-dong Yangsan-si, Kyungnam, Korea

TEL: (055) 389-1050 FAX: (055) 385-9189

E-mail: kosyrd@koswire.com

Inspection Certificate

DATE OF 1991E 2012-10-01

DESCRIPTION	NICKEL ALLOY WIRE	······································	MIE OF 1850E. 2013-10-21
WILL CERT.NO.	MA1-201310A-0101	GRADE	(NSB)
P.O NO.	1022369	DIAMETER	0.0300 INCH
ואיסוכם אס.	T131021/07 (T13A102-01)	FINISH	DU X-CO (30° SPOOL)
CONTRACTOR	INTERVIRE GROUP (HEAD OFFICE)	QUANTITY	468.5 LBS (1 SPOOL)
CUSTONER '	INTERWIRE GROUP (HEAD OFFICE)	APP. SPEC	BUYER'S SPEC

CHEMICAL COMPOSITION

100	TASKOL											(#(%)
CH. NO.		С	Si	Mn	Р	S	иi	Cir -	δίο	Cu	V	11
QN237/	12 /	0.0720	0.0860	1.7200	0.0150	0.0030	24 5500	14.7900		0.1020	0.000	
1	- 1	`					21.0000	14.1300	1.2300	0:1020	0.3090	0.1760
					<u> </u>						1	١, ١

INSPECTION RESULTS

	1		, ,	<u> </u>		··································		
ITEUS	SIZE	T/S	R/A					
	(INCH)	(RSI)	(de de	1			1 .
	+0.00050	110.0		 			LOT NO.	REMARK
NO.	-0.00050	90.0						1.
4	0.0301	109.3	G4.0		1-5		1B1211-30728-0004	-
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REMARKS		<u> </u>						1
CIUNNI			•		-		مر والرف مورد ا	· Arceria
300A286ANRI,		Re.h	ereby cert	ify that the man made in accor	iterial de	scribed 😲		はいい
		nere	in has been	made in accor	dance wit	h the	() () () () () ()	

specification of the order.

MANAGER OF Q.C Dept.

CERTIFICAT DE RECEPTION 3.1-EN 10204 nº C065401/2

Inspection certificate - Abnahmeprüfzeugnis

vine - Writ - Werk Alloys Digdiy SBIGO DEPHY FRANCE Telephone: 01 86 21 30 10 Teleopte: 03 86 21 31 10

KOS LIMITED

V/Computer Your order Thre Bestell. Hr

EMAIL DATED DEC. 5TH

2. 09/12/11

WIRETERACE Our reference Unser Autres line

309154/01

Specification Specification Vorschrift Produit Product Cresignis form

AMS CHEMISTRY

SY 286 WIRE ROD DIAM/6.0000/MM

SUH 660

Etat de livraison fondition of deliverys Linfergustand

SHAVED

4100263971

1290 KG

4 PI

)	CONFOSITION COL CONTICAL COMPO CONTICAL COMPO	INTOLE (T STILON (T) HOSETTUG (T)	olds) elphi) exicht)				COUTES HE () SCHABILE HE	N237/12		
	.072	Mn 720	.086	5 .003	ρ 015	N1 24.550	Cr 14.790	Mo 1.230	.102	,130
	072	1.720	.000	003	,010	24,000	14.750	1.200	- 200	1200
1	309	.176	71 2.190	2000S	81 < .0000	2 .006	bal.		<u> </u>	
١.										<u></u>

7221000000 (HOT-ROLLED, IN IRREGULARLY WOUND SUH660 VAR AG SMM-14,000.00KG SUH660 VAR AB SMM-10,000.00KG CIF BUSAN PORT

STAINLESS STEEL WIRE ROO COILS) SUNGO VAR AII.5MM 16.000.00KG COUNTRY OF ORIGIN: FRANCE

CARACTERISTIQUES MECANIQUES ET AUTRES ESSAIS / TESTS RESULTS

ETAT DE LIVRAISON

CONSTITUTION OF DELIVERY

RESISTANCE. RENSILE STRINGTH. 571 MPA
ALLONGEMENT RENGALITON 45 %
STRICTION PRO OF ARCA. 69 %
GRAIN ASTM. STREASTH. 5.5 ASTM

HYPERTREMPE 980°1H CAU+VIEILLISSEMENT 720°16H ATR DEAT TREADMENT OF SPECIFEN 1800 FIN NATER-1925 F 16H ATR

LIMITE ELASTIQUE VIRO SIRBORIO, 21.: 752 MPA
RESISTANCE VIROLE SIRBORIO.: 1092 MPA
ALLONGEMENT RECOVERAGE SP. 40.: 30.0 %

24/05/12 Imphy plant

Signaturo i Unterscheift

PAGE No:

QUALITY CONTROL

DUPUIS G.

Voir page suivante

CERTIFICAT DE REGEPTION 3.1-EN 10204 nº C066401/2

Inspection certificate - Abnahmeprüfzeugnis

KOS LIMITED

EMAIL DATED DEC. 5TH

£: 09/12/11

MIRETARENCE : 309154/01

AMS CHEMISTRY

FLUAGE

STRESS RUPTURE TEST AT 1200'F (649'C)

20.0 %

ETAT HYPERTREMPE 900° + VIEILLISSEMENT 720°16H AIR IEAT TREATMENT OF TEST SPECTION JESO'S IN MITTER JESS'S IN A

FLUAGE

STACSS RUPTURE TEST AT 1200 F (649 C)

CHEMISTRY TO MEET AMS 5731, AMS 5732, 5734 AND 5737 NO WELDING WITH FILLER METAL HAS BEEN PERFORMED MATERIAL IS FREE FROM MERCURY, RADIUM, OR ALPHA SOURCE CONTAMINATION



Dernière page.

PAGE W:

SPECIFICATION

				. ₹
1	lancel O	T		·~ .
1 005	lomer' Spec. Code	BUYER'S SPEC		
		L BOTEN S SPEC		
I Ret	erences		om an arabe 18 da	
	-1 -11000			
		•		- 1
				i

CHEMICAL COMPOSITION

- 1												
1		С	SI	.Mn	ρ	S	NI.	Cr	Mo	r de	:	·
	ON237/12	0.0720	0.0860	1.7200	0.0150	0.0030	24.5500		1,2300	Cu	V	Al :
-		Co	ΥI	В				1477,300	1,2300.	יט. 1020	0.3090	0.1760
L		0, 1300	2.1900	0.0060							· · ·	
								<u>. </u>				l l

RAW MATERIAL INFORMATION

_	
Supplier	APERAN ALLOYS IMPHY
Country of origin	FRANCE
Melt Method	AOD / VAR.
Surface	Seam Frae
DFARS >>	Compliance with OFARS 252.225-7014 ALT
Others	Free from Mercury, Radium or Alpha Source contamination.
Heat No.	QN237/12

MECHANICAL PROPERTIES AFTER HEAT TREATMENT

	1100 1800	Thr WQ	+ 1325°F 161	nr AC	Stress	Rupture	
TENSILE, KSI	YIELD, KSI-	E/L7-%	R/A,%	H0	Stress	Ting	
	104.2	30.0	51.0	323.0	1200 F 70 KS1	20.0	E/L. % 79.2
LI T Oamele					the same of the sa	20.0	10.2
n.i. Conai	tlon : 1,650	F thr WQ -	1325°F 161	r AC	Stress	Rupture	
ENSILE, KSI	YIELD, KSI	F 1hr WQ -	1325°F 161	r AC		Rupture	E/L, %

13 2014



Crain Size :

ASTAI No. 5.5

We hereby certify that the material described herein has been made in accordance with the specification of the order.

S. H. AHN

NANAGER OF Q.C Dept



www.interwiregroup.com 355 Main Street - Armonk, NY 10504 ne: (914) 273-6633 Fax: (914) 273-6848 Phone: (914) 273-6633

RADCLIFF WIRE **RONZO ROAD** P.O. BOX 603 BRISTOL, CT 06011-0103

Delivery No. 1036727

Ship Date: 11/06/13

SHIP TO: RADCLIFF WIRE 97 RONZO RD

Invoice:

Invoice Date:

Customer PO: Sales Rep:

Our Order:

BRISTOL, CT 06010

Ship VIA:

OUR TRUCK

Material Certification 1294414

11/6/2013

1261658

46519++

BRUCE MASSEY

		TEM DESCRIPTION			
Item No:	0300A286ANRL	Mill Name: Country of Origin:	KOS FRANCE	QTY SHIP	
Customer Part No: Description:		Melt Source:	IMPHY	468	
.030 ANN A28	36 RL	DFAR Compliant: RoHS Compliant:	YES YES	HEAT NO.	
Specification	: ASTM-A453			QN237/12	

Specification	n: AS	STM-A453						QNZ3//IZ	
Flatina Ministra		METATRICAL		Maria Ech	emical Prop	ities			
Ticket Number 01102413026	Qty 468	Element	С	MN	SI	Р	s	CR	
		Value	0.0720	1.7200	0.0860	0.0150	0.0030	14.7900	
		Element	NI	МО	V	Al	Ti	В	Co
		Value	24.5500	1.2300	0.3090	0.1760	2.1900	0.0060	0.1300
		Element	cu						
		Value	0.1020						,
•	•			early for Mec	han icali Proc	entes in a		WALKET ?	
		Element	TENS STR MIN	TENS STR MAX				ON237/12	747
		Value	109,300	109,300				i č	6
				TO A SECURITY OF THE SECURITY	Test Result	SERENCE SERVICE			
		Test	WRAP TEST	MICRO- STRUCTURE	SURFACE CONDITION	COILING TEST		CURY EE	
		·			·				./

The material has been inspected by the mill and conforms to the above referenced specifications.

Pass

MAY 13 2014

Result



Pass

Pass

Pass

Bruce Massey - General Manager **AUTHORIZED SIGNATURE**

Pass

EMAIL

1658 Cold Springs Road Saukville, Wisconsin 53080 (262) 268-2400 1-800-437-8789

Fax (262) 268-2570

CHARTER STEEL TEST REPORT

Melted in USA Manufactured in USA

Charter Manufacturing Company, Inc.

Wiretech Incorporated 6440 East Canning Street Los Angeles, CA-90040 Kind Attn :Cert To Contact

Cust P.O.	7224-1
Customer Part #	8740C1A060-C
Charter Sales Order	70052542
Heat #	10315220-
Ship Lot #	4271511
Grade	8740 R SK FG AQ 1/4
Process	HRSA
Finish Size	1/4
Ship date	13-MAY-14

I hereby certify that the majerial described herein has been manufactured in accordance with the specifications and standards listed below and that it satisfies these requirements. The recording of false, fictitious and fraudulent statements or entries on this document may be punishable as a felony under federal statute.

	,.				Test resu	its of Heat Lo	t # 10315220	1				
Lab Code: 738 CHEM %Wt		C 41	MN .85	P .007	S .005	SI .250	NI .43	CR .53	MO .22	.08	SN .006	.002
		AL)25	N .0070	B ,0001	TI .002	NB .001						
JOMINY(HRC)	J1 57	J2 57	J3 57	J4 57	J5 55	J6 52	J7 50	J8 48	J9 47	J10 45	J12 42	
	J14 40	J16 38	J18 36	J20 35	J24 33	J28 31	J32 30				-	

JOMINY SAMPLE TYPE ENGLISH=C MACRO ETCH SAMPLE TYPE=R MACRO ETCH SURFACE=1

MACRO ETCH RANDOM=1

MACRO ETCH CENTER=1

AMS 2301 FREQUENCY AVERAGE=.00 AMS 2301 SEVERITY AVERAGE=.00

2.0

AMS 2301 FREQUENCY INDIVIDUAL=.00 AMS 2301 SEVERITY INDIVIDUAL=.00

Test results of Rolling Lot # 1126098

REDUCTION RATIO=616:1

Test results of Processing Lot #4270842, 4271511

Min Value Max Value # of Tests 85.6 85.8 61 63

Mean Value 85.7 62

TENSILE LAB = 0358-02 RA LAB = 0358-02

NUM DECARB=2 NUM SPHERO=2

REDUCTION OF AREA (%)

FREE FERRITE DECARB (Inch)=.000 SPHERODIZATION (%)=80.0

FREE FERR & PARTIAL DECARB (Inch)=.003 CP SPHERO % LAB=0358-02

Specifications:

TENSILE (KSI)

Manufactured per Charter Steel Quality Manual Rev Date 9/12/12

Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents: Customer Document = AMS6322N/AMS2301K/COP3010M/BS2S147:1976 CHEM ONLY Revision =

Additional Comments:

Saukville, WI, USA

This MTR supersedes all previously dated MTRs for this order Beneditario L

> Janice Barnard Manager of Quality Assurance Printed Date : 05/13/2014

Rem: Load1,Fax0,Mail0

Charter Steel



Page 1 of 2





CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

Kaiser Aluminum Fabricated Products, LLC 600 Kaiser Drive Heath, OH 43056-1088 740-522-1151

CUSTOMER PO NUMBE	R	CUSTOMER PART NUMBER:	PRODUCT DESCRIPTI	PRODUCT DESCRIPTION:						
and the second second		404	ALY-JUMBO	ALY-JUMBO						
CAISER ORDER NUMBE	R: LINE ITEM:	SHIP DATE:	ALLOY:	TEMPER:						
172556284	1	09/09/2013	K540							
VEIGHT SHIPPED:	QUANTITY:	BAL NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:					
12946 lbs.	60 pcs.	7835		0.000 in.	0.0 in:					
HIP TO:	····		SOLD TO:							
BENEKE WIRE C 5540 NATIONAL OUISVILLE, KY	TURN PIKE		BENEKE WIRE 5540 NATIONAL LOUISVILLE, KY	TURN PIKE						

Test Code: 4000

Actual Physical Properties

Lot No.

851660 0.0

Chemical Composition, WT. % (Aluminum Remainder)

Lot Cast/Drop ChemID		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
851660 56-2F2 183822	Act.	0.05	0.08	0.00	0.06	4 . B	0.07	0.00	0.01
Chemical Limits	Min Max	0.30	0.40	0.10	0.05	4 · 5 4 · 9	0.05	0,10	0.05
		Others	Each	0.05	Max		Total	015	Max

AUG 1 1 2014





Plant Serial: 32469

Kaiser Order Number: 172556284

Line Item: 1



1224 East Warner Avenue Santa Ana, CA 92707-0157



Chemical Processing Heat Treating ' ' ISO/IEC 17025 Material Testing Lab

Final Inspection & Test Report - CherryMax® Rivet

Lot I.D. No.:

87999211

Rev:

Customer Parts List

An ISO9001 and AS9100 registered company. OASIS #6111041606

Customer Part Number	Rev	Proc. Spec.	Rev
ASNA0078A402	Р	NAS1686	4
5320-01-151-1061	-	PS-CMR-3000	R
B0207005-4-02	E	MIL-R-7885	D2
CAN43078B4-2	8	NAS1686	4
M7885/2-4-02	D	MIL-R-7885	D2
MBBN3012L3202	01/06	MBBN3015	12.2003
NAS9301B-4-02	5	NAS1686	4
NAS9301BNS-4-02	5	NAS1686	4
S2906-4-2	В	MIL-R-7885	D2

Parts delivered in accordance with the standard amendments as agreed by Cherry/EADS.

Page: 1 of 1



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR

www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER CUST REF# LOT-NUMBER MANUFACTURER CCODE MPR DATE EXP DATE

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Form 67 Rev 1.0



ATELIERS DE LA HAUTE-GARONE Ets AURIOL & Cie - S.A. au capital de 201850 EUR - Z.I. de FLOURENS BP73103 26 route de Lasbordes - 31130 FLOURENS (FRANCE) Tél. (33) 5 61 83 60 35 - Fax (33) 5 61 83 95 05 - RCS TOULOUSE B 550 800 528 - SIRET 550 800 528 00014 - APE 2593Z

CERTIFICATE of CONFORMITY and TEST REPORT № A521547

of 16 MAY 2012

1

LBZ			ACC	ORDING TO NE L	00-15C AND E	N10204 TYPE 3.1	l			Page	1
				f: 14 FEB 20		lier number :		V1088	- 100 12		
our P.O. nb.				f: 14 FEB 20	' '						
lº ack. : ————	26062	0		11: 14 FEB 20	112						
shipment to	: (or notify pa	rty)									
B/E AEROSF											
9835 NW 14											
(ORIGIN= F	RANCE)										
33172 ETATS UNIS	MIAM										
EIAI3 ONIS	<u> </u>										
TEM	ORDERED	PART N	NUMBER					SHIPPE	D		
		MS20	615-4M20	(3)				35.000	Lb.		
1 10	00.000 Lb.	Monel	400/NU30/2.	4360		roll sorting	•	6250	Pcs **		
		univ he	ead marl	ced ch 0615 ed.3 July	am.optio	ron sorung	•				
Technical spe	ec: QQ-	No coa N-281 class	A rev.D	,015 ca.5 14. ₁							
i ceriii iicai opi											
						105677	Mater	rial heat nh '	63061		
Lot nb 26 0	0620 P001 F0	02 (b.: 195677		rial heat nb.:	63061		
Lot nb 26 0	NAT	Cod · FO	095 Orie	zin: France		b.: 195677 Producer : D				(126	T+#
Lot nb 26 0	NAT	O Cod: FO	095 Orig eading date: 0	gin: France 19 MAY 2012	Material	Producer : D	N · <u>Mini</u>	<u>Maxi</u>	<u>Value</u>	<u>Unit</u> KSI	Test#
	NAT	O Cod: FO	095 Orie	gin: France 19 MAY 2012 S): D Ro	Material /shear stren	Producer : D	N ·		<u>Value</u> 53.73 53.58	KSI KSI	Test#
	NAT Mar	O Cod: FO	095 Orig eading date: 0	gin: France 19 MAY 2012 S): D Rc D Rc D Rc	Material /shear stren /shear stren /shear stren	Producer : Digth gth gth gth	Mini 49.00 49.00 49.00	<u>Maxi</u> 59.00 59.00 59.00	<u>Value</u> 53.73 53.58 53.89	KSI KSI KSI	
	NAT Mar	O Cod: FO	095 Orig eading date: 0	gin: France 9 MAY 2012 S): D Ro D Ro D Ro D Ro	Material /shear streng /shear streng /shear streng /shear streng	Producer : Digth gth gth gth gth	Mini 49.00 49.00 49.00 49.00	<u>Maxi</u> 59.00 59.00 59.00 59.00	<u>Value</u> 53.73 53.58	KSI KSI	
	NAT Mar	O Cod: FO	095 Orig eading date: 0	gin: France 9 MAY 2012 S): D Ro D Ro D Ro D Ro	Material /shear stren /shear stren /shear stren	Producer : Digth gth gth gth gth	Mini 49.00 49.00 49.00	<u>Maxi</u> 59.00 59.00 59.00	<u>Value</u> 53.73 53.58 53.89 54.07	KSI KSI KSI KSI	. 5
Cis./Shear stre	NAT Mar ength 08-058M	O Cod : FO nufacture he O dou	095 Orige Pading date: 0 Suble(D)/simple(gin: France 9 MAY 2012 S): D Ro D Ro D Ro D Ro D Ro	Material /shear streng /shear streng /shear streng /shear streng	Producer : Di gth gth gth gth gth	Mini 49.00 49.00 49.00 49.00	<u>Maxi</u> 59.00 59.00 59.00 59.00	<u>Value</u> 53.73 53.58 53.89 54.07	KSI KSI KSI KSI	
	NAT Mar ength 08-058M	O Cod : FO nufacture he O dou	095 Orig eading date: 0	gin: France 9 MAY 2012 S): D Ro D Ro D Ro D Ro D Ro	Material /shear stren /shear stren /shear stren /shear stren /shear stren	Producer : Di gth gth gth gth gth	Mini 49.00 49.00 49.00 49.00	<u>Maxi</u> 59.00 59.00 59.00 59.00 59.00	Value 53.73 53.58 53.89 54.07 53.81 0.00	KSI KSI KSI KSI KSI	5
Cis./Shear stro	NAT Mar ength 08-058M Driveability	O Cod : FO nufacture he O dou cor	095 Origending date: 0 uble(D)/simple(gin: France 9 MAY 2012 S): D Ro D Ro D Ro D Ro D Ro	Material /shear stren /shear stren /shear stren /shear stren /shear stren	Producer : Di gth gth gth gth gth	Mini 49.00 49.00 49.00 49.00	Maxi 59.00 59.00 59.00 59.00 59.00 0.00	Value 53.73 53.58 53.89 54.07 53.81 0.00	KSI KSI KSI KSI KSI	5 5
Cis./Shear stre	NAT Mar ength 08-058M Driveability	O Cod : FO nufacture he O dou cor	095 Origending date: 0 uble(D)/simple(gin: France 9 MAY 2012 S): D Rc D Rc D Rc D Rc O de	Material /shear stren /shear stren /shear stren /shear stren /shear stren efauts/defect	Producer : Digth gth gth gth gth gth s	Mini 49.00 49.00 49.00 49.00 49.00 49.00	Maxi 59.00 59.00 59.00 59.00 59.00 0.00	Value 53.73 53.58 53.89 54.07 53.81 0.00	KSI KSI KSI KSI KSI	5
Cis./Shear stro	NAT Mar ength 08-058M Driveability	CO COO : FO COO COO COO O,02000	095 Origending date: 0 uble(D)/simple(onforme: O/N CU 33,46000	gin: France 9 MAY 2012 S): D Rc D Rc D Rc D Rc O de	Material /shear streng /shear streng /shear streng /shear streng /shear streng /shear streng fauts/defect MN	Producer: Digth gth gth gth gth gth s	Mini 49.00 49.00 49.00 49.00 49.00 49.00	Maxi 59.00 59.00 59.00 59.00 59.00 0.00	Value 53.73 53.58 53.89 54.07 53.81 0.00	KSI KSI KSI KSI	5 5
Cis./Shear stre	NAT Mar ength 08-058M Driveability	O Cod : FO nufacture he O dou cor	095 Origending date: 0 uble(D)/simple(gin: France 9 MAY 2012 S): D Rc D Rc D Rc D Rc O de	Material /shear streng /shear streng /shear streng /shear streng /shear streng /shear streng fauts/defect MN	Producer: Digth gth gth gth gth gth s	Mini 49.00 49.00 49.00 49.00 49.00 49.00	Maxi 59.00 59.00 59.00 59.00 59.00 0.00	Value 53.73 53.58 53.89 54.07 53.81 0.00	KSI KSI KSI KSI KSI	5 SI 6000

OUR AIRBUS SAS APPROVAL NUMBER IS : 30030 of 31 August 2007 OUR BAE SYSTEMS APPROVAL LETTER REFERENCE IS : ACO/A/LT/JJH/3035

to be continued Item

./..



ATELIERS DE LA HAUTE-GARONE Ets AURIOL & Cie - S.A. au capital de 201850 EUR - Z.I. de FLOURENS BP73103 26 route de Lasbordes - 31130 FLOURENS (FRANCE) Tél. (33) 5 61 83 60 35 - Fax (33) 5 61 83 95 05 - RCS TOULOUSE B 550 800 528 - SIRET 550 800 528 00014 - APE 2593Z

CERTIFICATE of CONFORMITY

of 16 MAY 2012

			anu	NIC TO NEL OO 15	SC AND EN10204 TYPE 3.1		Page	2
BZ				14 FEB 2012	Supplier number :	V1088		
ur P.O. nb					Supplier frames			
ack.:	260620		or:	14 FEB 2012		SHIPPED		
M	ORDERED	PART NUMBER				31111120		
m 1	Continuation	MS20615-4M20	(3)					
							1	
					•			
		IC and delivered un	der th	is CofC are DFA	ARS compliant per DFAR 2: ed in this statement of confo- n, they satisfy in every respec	52.225-7009	s comply with th	ıe
Parts man	utactured by AH declare, subject to	exceptions, reservat	ions, o	concessions list	ed in this statement of confo n, they satisfy in every respec	rmity, that the listed supplied to all specified requirements	and applicable s	tan
,, e lieleny	guirements and th	at, after completion of	of testir	ng and verificatio	in, they satisfy in over 1 . sope.	-		

16 MAY 2012

AHG

Fg

SUPPLIER'S INSPECTION

NAME AND FUNCTION

Gilles GUISSET CTLF Chef Service Controte

Computer controlled signature.

VISA DGAC

Signataire habilité

Agrément JAR 21 DGAC FG097

--- TRUE COPY CERTIFICATION -



Certificat de Réception EN 10204 - 3.1

No.: 1217 / 2012

ATELIERS DE LA HAUTE GARONNE ETS AURIOL & CIE ZI FLOURENS F - 31131 BALMA

No. de la Commande: 113722MPRV

No. de la Confirmation: 80133201/3

Matériel:

Silverin 400

Spécification:

SFT/MO Rev.E du 12.1.2011

No. de mat.:

2.4360

État de livraison:

etire a froid, recult, qualité rivet

Demi-produits:

fil

Dimension:

dia. 3,120 mm

Coulée-No.:

Poids-net:

Nombre des Pièces: 1 caisse

63061

232,50 kg

RÉSULTAT DE

Composition chimique (% de masse):

0.005

0.02

Cu 33.46 0.098

1,62

Mn 0.92

0,060

0,0010

63,77

Resistance à la traction [MPa] Résistance au cisallement [MPa] Allongment à la rupture AL=50 [%] Grosseur du grain ASTM E112 defect de surface, max. profondeur [µm 587 - 593 368 - 370 37.0 - 41.0 10.0

Notre system d'assurance qualité est homologué sous le numero 922141 chez Lloyd's Register Quality Assurance.

Schwerte, 02.04.2012

L'expert



Page: 1 of 1

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

300 EA MS20601AD4W3

CUST REF#

LOT-NUMBER

MANUFACTURER CCODE MFR DATE EXP DATE

CHERRY AEROSPACE SAN 11815

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/1



Cherry Aerospace 1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157



PACKING-LIST -

Order No: S0384202 Order Date: 06/06/14 Print Date: 09/16/14





Sold-To: 10015341

B/E AEROSPACE 0 PO BOX 025263 L MIAMI, FL 33102-5263 D USA Т

Ship-To: 10043053

B/E AEROSPACE INC, Н CONSUMABLES MANAGEMENT Ι 9835 NW 14TH ST MIAMI, FL 33172 USA

Salesperson (s):110

Credit Terms: NET 30

Net 30

Purchase Order: 0YNB23

Ship Via: FED EX NATIONAL CL FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0 IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

.TEST REPORTS ENCLOSED

ECCN: EAR99

·· DO NOT DESTROY · ·

- *IF APPLICABLE, PART MEETS DFARS CLAUSE 252,225-7009 ALT
- *PREFERENCE FOR DOMESTIC SPECIALTY METALS

Unless otherwise specified on this order, Cherry will manufacture and certify parts to the part number's latest revision. Latest revisions are shown at https://bizpartner.cherryaerospace.com/partrevisions.htm under "Part Number Revision List".

INCORRECT AND UNAVAILABLE PART NUMBERS WILL BE LINED OUT ON PO CHERRY AEROSPACE DOES NOT ACCEPT CLAUSE V IN REGARDS TO ISO17025- CHERRY

IS COMPLIANT TO NADCAP REQUIREMENTS ONLY

Promised Qty Open Site Shipped Qty to Ship UM T LocationLot/Serial Item Number Ln

CR9162-4-03

1600

10/09/14

EΑ

Customer Item: MS20601AD4W3

87971281 D0603

24300.0

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

Quality Assurance Representative

SIM NGUYEN

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.



Cherry Aerospace 1224 East Warner Avenue Post Office Box 2157 Santa Ana, CA 92707-0157



PACKING LIST

Order No: S0384202 Order Date: 06/06/14

Page:

Print Date: 09/16/14



Sold-To: 10015341

B/E AEROSPACE PO BOX 025263 MIAMI, FL 33102-5263

D USA

O

Ship-To: 10043053

B/E AEROSPACE INC,

CONSUMABLES MANAGEMENT

9835 NW 14TH ST MIAMI, FL 33172

USA

Н

I

P

Site Qty Open	
Site City Open	Promised
Ln Item Number T Location Lot/Serial Oty to Ship UM	Shipped

10505 87836273

17300.0

TEST REPORTS ENCLOSED DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative SIM NGUYE



Nadcap"

Chemical Processing Heat Treating ISO/IEC 17025 Material Testing Lab

Final Inspection & Test Report Cherry® Rivet

1224 East Warner Avenue Santa Ana, CA 92707-0157

An ISO9001 and AS9100 registered company, OASIS #6111041606

Part Numbers	Rev	Proc. Spec.		Rev
CR9162-4-03	Р	MIL-R-7885	4,1	D2

Lot I.D. No.: 87971281

Lot Size:

24,300

MFG. Date:

September 16, 2014

** See 2nd Page for the Customer Parts

ASSEMBLY DATA

TYPE	ID#	CERT#	MATERIAL	FINISH	 LUBE
Rivet	87971281	A74728	2117/ QQ-A-430	MIL-C-5541	 Par-90
Stem	87971285	A74944	2017/QQ-A-430	MIL-C-5541	None

W.O. #: 5553304

Final Lube: None

QUALITY CONFORMANCE/ACCEPTANCE RESULTS

	ı	NSTALL	ED S	IEAR		SP	INDLE RETENS	ION
MIN REQ'D			240				15	
SAMPLE SIZE		9					9	
SPECS				1.7.			UnLocked	
RESULTS	494	492				64	46	
	503					- 51		
	493					56		
	491	•				45	*	
	486					46	•	
	490					62		
CADVALUE	503					50		
LOAD VALUES IN POUNDS	485					58		• •

PCS. ITEM

20 EXAMINATION

STATUS PASS PCS. ITEM

13

STATUS PASS

INSTALLATION (Min and Max Grips)

Comments:

Blind Fastener

Refer to email from J. John Park Standards Engineer Association to Scheil Eshraghi. Dated on 1/25/2012 regarding the B diameter tolerance to be +/- 0.004

Tr. Rev.: 1
Rev. Date: 9/17/2014

Inspector

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

S Nguyen A

This test report shall not be reproduced except in full, without the written approval of the laboratory.

The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

BENEKE

Product Certification And Testing Report

Customer:

CHERRY AEROSPACE LLC

ATTN: ACCTS, PAYABLE

1224 EAST WARNER AVENUE

P.O. BOX 2157

SANTA ANA

CA 92707-0157

.123" DIA +- 0005" 4F 2117 - H13

#4 FINISH, ALUMINUM COLD HEADING WIRE X 22"

Date >> 4/15/2014

Customer PO No. BWC Lot No.: PO164101

Date Shipped:

25886

4/15/2014

Cust Item ID : M262 1230

BWC Item No.

2H1230813041A01

.46

Description:

Specifications:

FED SPEC

CUST SPEC

M-262 QQ-A-430 REV. F

REV. C

BLOCKWOUND 100# COILS.

Chemical Limits

Alloy Cu Mn Zn 2117 - .8 2.2 - 3.0 - .20

2.8

.20 - .50 - .10

- .25

Others Each-.05

Others Total

Aluminum Remainder Case No.

Diameter (in)

Tensile (psi)

Test Results

Yield-(psi)

Peak Load (lbs)

Grain Size

EL.%

852763

.40

.14

.07

.14

41874-1

0.1230

29.930.0

Total Weight:

224

355.6

ibs

224



Beneke Wire Company

WE CERTIFY THAT SAMPLES REPRESENTING THE MATERIAL COVERED INTHIS REPORT HAVE BEEN INSPECTED AND FOUND TO MEET THE COMPOSITION LIMITS AND MECHANICAL PROPERTIES SHOWN ABOVE. ANY WARRANTY IS LIMITED TO THAT SHOWN ON BENEKE WIRE COMPANY'S STANDARD TERMS AND CONDITIONS OF SALE.

Authorized Signature

Shannon King, Plant Metallurgist

Phone: (502) 367-6434

5540 National Tumpike

Louisville, KY 40214





CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

Kaiser Aluminum Fabricated Products, LLC 600 Kaiser Drive Heath, OH 43056-1088 740-522-1151

Miscellaneous Notes

Made in USA

Chemical exceptions Fe 0.30-0.7 Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. Actual (Act) chemical composition is from representative samples taken during the ingot casting process. Independent chemical analysis will vary from these values because of natural variation in the process and testing error. This test report shall not be reproduced, except in full, without the written approval of Kaiser Aluminum. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law. Chemical analysis performed in accordance with ASTM E 1251-11. The Newark facility is AS9100C:2009 approved. The Newark Laboratory is NADCAP approved for chemical testing (OES).

The products you inquired and ordered are not governed by any applicable industry standard or custom specifications. They are produced, tested and released as such. By placing an order, you acknowledge and accept the full responsibility and liability for their fitness for the intended end use or end uses.

CEPTITIONTON

Kaiser Aluminum Fabricated Products, LLP ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

Steven J. Tua, Technical Manager

APR 2 4 2014



A74728
Beneve Wire Company-r-

Plant Serial: 35516 Kaiser Order Number: 172560092

Page 2 of 2

Line Item: 1

BENEKE

Product Certification And Testing Report

Customer.

CHERRY AEROSPACE LLC ATTN: ACCTS. PAYABLE 1224 EAST WARNER AVENUE P.O. BOX 2157

SANTA ANA

92707-0157

Date >> 5/22/2014

Customer PO No.	BWC Lot No.:	Date Shipped:
PO165732	26142	5/22/2014

Cust Item ID : M051:0980

BWC Item No.

2F09808T3741A01

Description:

.098" DIA. + - .0005" 4F 2017 - T37

#4 FINISH, ALUMINUM COLD HEADING WIRE X 22"

Specifications:

CUST SPEC FED SPEC

M-51

QQ-A-430

REV. L

REV. C

BLOCKWOUND 100# COILS.

Ch	amic	l le	imite	

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	
2017	.208	7,	3.5 - 4.5	.40 - 1.0	.408	10	25	15	:1
									,

Each :05

Others

Others Total

Aluminum

Remainder Case No.

Diameter (in)

Tensile (psi)

Test Results

Yield (psi)

Peak Load (lbs)

Grain EL %

Size

852901

42235-1 42235-2

337 214

lbs

0.0982 0.0982

67,440.0 69,380.0

510.8

525.5

Total Weight: 551

JUN - 2 2014



Beneke Wire Company

WE CERTIFY THAT SAMPLES REPRESENTING THE MATERIAL COVERED INTHIS REPORT HAVE BEEN INSPECTED AND FOUND TO MEET THE COMPOSITION LIMITS AND MECHANICAL PROPERTIES SHOWN ABOVE. ANY WARRANTY IS LIMITED TO THAT SHOWN ON BENEKE WIRE COMPANY'S STANDARD TERMS AND CONDITIONS OF SALE.

Authorized Signature

Shannon King, Plant Metallurgist

Phone: (502) 367-6434





CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

Kalser Aluminum Fabricated Products, LLC 600 Kalser Drive Heath, OH 43056-1088 740-522-1151

Miscellaneous Notes

Made in USA

Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. Actual (Act) chemical composition is from representative samples taken during the ingot casting process. Independent chemical analysis will vary from these values because of natural variation in the process and testing error. This test report shall not be reproduced, except in full, without the written approval of Kaiser Aluminum. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law. Chemical analysis performed in accordance with ASTM E 1251-11. The Newark facility is AS9100C:2009 approved. The Newark Laboratory is NADCAP approved for chemical testing (OES).

The products you inquired and ordered are not governed by any applicable industry standard or custom specifications. They are produced, tested and released as such. By placing an order, you acknowledge and accept the full responsibility and liability for their fitness for the intended end use or end uses.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLP ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

Steven J. Tua, Technical Manager

JUN - 2 2014

A74944
Bernele Wire Company-r852901

Plant Serial: 35884 Kaiser Order Number: 172563482

Line Item: 1

Page 2 of 2





CERTIFIED TEST REPORT

http://Online.KalserAluminum.com

Kaiser Aluminum Fabricated Products, LLC 600 Kaiser Drive Heath, OH 43056-1088 740-522-1151

CUSTOMER PO NUMBER	₹: (CUSTOMER PART NUMBER:	PRODUCT DESCRIPTIO	N:	
	•		ALY-JUMBO		
KAISER ORDER NUMBE	R: LINE ITEM:	SHIP DATE:	ALLOY:	TEMPER:	
172563482	1	04/14/2014	KN17		
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:
7610 lbs.	33 pcs.	9617		0.000 in.	0.0 in.
SHIP TO:			SOLD TO:		
BENEKE WIRE C 5540 NATIONAL LOUISVILLE, KY	TURNPIKE		BENEKE WIRE O 5540 NATIONAL LOUISVILLE, KY	TURN PIKE	
LOUISVILLE, KT	1 02 1 -1		1001011222, 111		•

Test Code: 2415

Actual Physical Properties

Lot No.	No. Tests		WGE	WGU	WGY				
			8	ksi	ksi	Maria Maria			<u>-</u>
852901	2	MIN	30.7	24.8	12.5			•	
		MAX	33.3	25.0	12.5		•	•	

Chemical Composition, WT. % (Aluminum Remainder)

Lot Cast/Drop ChemID		Si	Fe	Cu	Min.	Mg	Cr Zr	ı Ti Zr		
852901 9-2F2 189431	Act.	0.28	0.17	3.9	0.47	0.49	0.00 0.01	0.01 0.00		Bareke Wire 85290
Chemical Limits	Min Max	0.20	0.15 0.30	3.5 3.90	0.40 0.60	0.40	0.04 0.03	0.15 0.05	•	Company 01
		Others	Each	0.05	Мах		Total 0.15	Max		

JUN - 2 2014



Plant Serial: 35884

Kaiser Order Number: 172563482 Line Item: 1



Best in Class

CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

Kaiser Aluminum Fabricated Products, LLC 600 Kaiser Drive Heath, OH 43056-1088 740-522-1151

CUSTOMER PO NUMBER:		CUSTOMER	PART NUMBER:	PRODUCT DESCRIPTI	ON:	
			A distriction	ALY-JUMBO		
KAISER ORDER NUMBER:	LINE ITEM:		SHIP DATE:	ALLOY:	TEMPER:	
172560092	1		03/21/2014	2117		
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAM/DAF/THKNS:	М ОТН:	LENGTH:
5260 lbs.	23 pcs.		9419		0.000 in.	0.0 in.
SHIP TO:				SOLD TO:		
BENEKE WIRE CO 5540 NATIONAL TU LOUISVILLE, KY 40	JRNPIKE		e company of the comp	BENEKE WIRE (5540 NATIONAL LOUISVILLE, KY	TURN PIKE	
,				, , , , ,		

Test Code: 8000

Actual Physical Properties

Lot No.	No.	Tests		WGU	:
				ksi	i.
852763		1	MIN	21.7	. 1
			MAX	21.7	

Chemical Composition, WT. % (Aluminum Remainder)

Lot Cast/Drop ChemID		Si	Fe	Cu	Mn	Mg	Cr	Zn		
852763				1						
2-2F2	Act.	0.46	0.40	2.8	0.14	0.46	0.07	0.14		k.
188927	*		. 11 :							
Chemical	Min			2.2		0.20				g
Limits	Max	0.8	0.7	3.0	0.20	0.50	0.10	0.25		A7
		Others	Each	0.05	Max		Total	0.15	Max	7472 Mire Comp 852763

APR 2 4 2014



Plant Serial: 35516

Kaiser Order Number: 172560092

Line Item: 1

Page 1 of 2



Santa Ana, CA 92707-0157



Chemical Processing Heat Treating ISO/IEC 17025

Final Inspection & Test Report Cherry® Rivet

Lot I.D. No.:

87971281

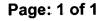
Rev:

An ISO9001 and AS9100 registered company. OASIS #6111041606

Customer Parts List

Rev Proc. Spec. Customer Part Number MIL-R-7885 MS20601AD4W3

Rev D2





P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

120 EA MS21047L06

CUST REF#

LOT-NUMBER

MANUFACTURER CCODE MFR DATE EXP DATE

Second 1988/88/genselv

UC125

ALCOA FASTENING/REPU 52828

Jason Lewis

Senior Director, Global Quality

Inv # 01/20/15

Form 67 Rev 1.0

DATE: 1/28/10 TIME: 12:51:13	AIRSUPPLY DIVIS 70 HCS ROANOKE RECEIPT TRAVELLER:		PAGE: WSID:	20 APEJA1	
VENDOR: 18270 REPUBLIC FASTENER MFG. C	ORP.	;	PURCHASE ORDER:	887080	H-S
DATE RECRIVED: 1/28/10			BUYER:	TDR	1,7
RECEIVING:			£ = 2 = 2 = 5 = 5 = 5 = 5 = 5 = 5 = 5 = 5		=======
LINE QUANTITY PART NO./DESCRIP	TION				
1 53000 MS21047L06 NUT PLATE					
VENDOR ITEM#:	DASH GROUP: MS2104	7 L			
QUALITY PROCUREMENT CLA		REV:	Std Pkg Si	ze: ========	========
QUALITY ASSURANCE:					
DEFT. WORK OPERATION/DESCRIP NO. CENTER NUMBER	TION	SCHEDULE DATE			
SAMPLE QUANTITY QUANTITY SIZE ACCEPTED REJECTE		BATCH NO.	CURE DATE	HPG LOT #	
20D 53000 O	UCIAS			TID501	03355
E Chem-Phy	urer's C of C s or Material Cert LIC FASTENER MFG. COR	æ.		111	1:157
INSPECTION NOTES:					
	******************		*========		*****
STAGING: WAREHOUSE NUMBERS					
LOCATION ADDRESS					
QUANTITIES					

' <<< End of Form >>>



REPUBLIC FASTENER MANUFACTURING CORPORATION

1300 RANCHO CONEJO BOULEVARD, NEWBURY PARK, CA 91320 (805) 498 -6621

		TEST

CONFORM TO THE PARTS ARI DATE OF MANU WITH APPLICASE BEEN IN CONTAPPROVAL OF PARTS MANUF	CERTIFY THAT ALL MATERIALS USED IN THE MATERIAL SPECIFICATIONS CALLED FOR E MANUFACTURED IN ACCORDANCE WITH APUFACTURE. TEST REPORTS COVERING MATERIAL SPECIFICATIONS ARE ON FILE AND SUBJECT WITH MERCURY. THIS REPORT SHALL THE LABORATORY. ACTURED IN: U.S.A MEXICO DANCE WITH: DFAR 252.225.7014 ALT.	R BY THE PURCH PLICABLE DRAWI TERIALS IN THES JECT TO EXAMIN	ASE ORDER. WE FURTHER CERTIFY THAT NGS OR SPECIFICATIONS CURRENT ON THE SE PARTS AND INDICATING CONFORMANCE NATION. PARTS AS SHIPPED HAVE NEVER
Mar Lin	ic Mostines		1-08-10
Signature of Qu	uality Assurance Representative		Date
P.O.:	887080	Part No.	MS21047L06 REV.2
Quantity Ordered:	53,000	Date Cert Ordered:	1-08-10
Customer:	HONEYWELL CONSUMABLES SOL	Lot No.:	UC125
Description:	PLATE NUT	Procurement Spec:	NASM25027
Also Certified To:	NAS680A06 REV.10	Additional Info:	N/A
WERE PRODU	CED UNDER FEDERAL AVIATION ADMINISTR THODS AS SET FORTH IN FEDERAL AVIATIO PARTS AND/OR MATERIALS ARE CERTIFIED	HECK ONE BELO HAT (A) THE PAR ATION APPROVEI N REGULATION,	W: TS AND/OR MATERIALS REFLECTED HERE-IN D MANUFACTURING AND QUALITY CONTROL PART 21, SUB-PART K, PARAGRAPH 21.303 MS TO THE DESIGN DATA AND ARE IN AIR
WERE PRODU SYSTEMS/ME AND (B) ALL WORTHY CON	CATION (PMA): IT IS HEREBY CERTIFIED TH CED UNDER FEDERAL AVIATION ADMINISTR THODS AS SET FORTH IN FEDERAL AVIATIO PARTS AND/OR MATERIALS ARE CERTIFIED	HECK ONE BELO HAT (A) THE PAR ATION APPROVEI N REGULATION,	TS AND/OR MATERIALS REFLECTED HERE-IND MANUFACTURING AND QUALITY CONTROL PART 21, SUB-PART K, PARAGRAPH 21.303
WERE PRODU SYSTEMS/ME AND (B) ALL WORTHY CON Signature of TSO-C148 S ACCORDANCE MINIMUM PER INTERCHANGE DIMENSIONAL	CATION (PMA): IT IS HEREBY CERTIFIED THE CED UNDER FEDERAL AVIATION ADMINISTRATIONS AS SET FORTH IN FEDERAL AVIATION PARTS AND/OR MATERIALS ARE CERTIFIED IDITION. Quality Assurance Representative STATEMENT: THE PARTS CONTAINED IN THIS EWITH TSO-C148. THE CONDITIONS AND TREATMENT FASTERES	HECK ONE BELOTHAT (A) THE PARATION APPROVED NEGULATION, DO NEW, CONFORTION, DO NEW, CO	TS AND/OR MATERIALS REFLECTED HERE-IND MANUFACTURING AND QUALITY CONTROL PART 21, SUB-PART K, PARAGRAPH 21.303 MS TO THE DESIGN DATA AND ARE IN AIR Date TE BEEN MANUFACTURED AND INSPECTED IN FOR TSO APPROVAL OF THIS ARTICLE ARE DUNDER THIS TSO ARE NOT NECESSARILY IDER THIS TSO. FASTENERS OF SIMILAR ANCE AND METALLURGICAL PROPERTIES.
WERE PRODU SYSTEMS/ME AND (B) ALL WORTHY CON Signature of TSO-C148 S ACCORDANCE MINIMUM PER INTERCHANGE DIMENSIONAL SUBSTITUTIO	CATION (PMA): IT IS HEREBY CERTIFIED THE CED UNDER FEDERAL AVIATION ADMINISTRATIONS AS SET FORTH IN FEDERAL AVIATION PARTS AND/OR MATERIALS ARE CERTIFIED IDITION. Quality Assurance Representative STATEMENT: THE PARTS CONTAINED IN THIS EWITH TSO-C148. THE CONDITIONS AND TREATMENT ASTERIES AND ARCRAFT FASTERES PROPERTIES MAY HAVE WIDELY VARY	HECK ONE BELOTHAT (A) THE PARATION APPROVED NEGULATION, DO NEW, CONFORTION, DO NEW, CO	TS AND/OR MATERIALS REFLECTED HERE-IND MANUFACTURING AND QUALITY CONTROL PART 21, SUB-PART K, PARAGRAPH 21.303 MS TO THE DESIGN DATA AND ARE IN AIR Date TE BEEN MANUFACTURED AND INSPECTED IN FOR TSO APPROVAL OF THIS ARTICLE ARE DUNDER THIS TSO ARE NOT NECESSARILY IDER THIS TSO. FASTENERS OF SIMILAR ANCE AND METALLURGICAL PROPERTIES.

REPUBLIC FASTENER MANUFACTURING CORPORATION

1300 RANCHO CONEJO BOLLEVARD, NEVIBURY PARK, CA 91320 (805) 458-6621 LITY CONTROL INSPECTION REPORT

	BPS N-70 ATTREMITE PLAN	NOTE.	26027 ATTRIBUTE PLAN
LOT NUMBER	LOT SIZE SO. ACC		LOT SOF ES EC
UC 125	UNDER 8 2 0 0 146U 11 3 D 15 146U 25 0 0 28 146U 250 6 0 91 146U 250 7 0 24 146U 250 11 0		UNDER 10M 5. 10M THE STATE STA

	TOR	QUE 1	EST							STAMP					
	, TES	T BOLT	<u> </u>	97-	9 6 M	ax/	/0-0 M. LBS. [152 ON] MIN								
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	,	5-0	55	4.5	6.0	7.4	ญ	40	5.0	6.5	55	7.5	65	8.5	9-0
	7				3.5		4.0				3.5	5:5	5.0	5-0	4.5
	15			4.5	4-0	4.5	40	40	4.0	3.5	35	4.5	4.5	4.0	4.0
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	7	L.	25	1.0	40	3.0	3.0	3.0	3.0	ن3	3.5	3.5	3.0	4.5	40
	:5	1			3.5							3.5	3.5	4.0	40
	1				8.0							7-0	4.0	8.5	7-0
	7	140	3.	515	5.1	4.0	3.5	4.0	3.5	5.0	40	4.0	3.5	50	40
	15		3.5	6.	0 جي ن	40	35	3.5	3.5	4.5	4.5	40	40	45	3.5
	1	7 -	6.1	5.1	-5.0	60	50	7-5	70	70	6.0	6.0	5.0		
	7	V. 1	-45	3.1	3.5	4.1	3.0	4.5	3.1	1/-	3.0	4.0	3.5		
	15	1/1	-4.5	1	3.0		3.5				u <i>3.</i> [3.0		

1	HARDNESS TEST COMERCESTREW CARCULETO AND DATE 5:30-09 REQUIREMENT: HRC 34 TO 34 STAMP
	HEC 38 38 37 38 38 38 38 31 38 38 38 38 38 38 38 38 38 38 38 38 38
☆	15N
	★ CLIPE AND CLIP KUTS CMCY

DC 9-305-7UE

CERTIFIED TEST REPORT



Rev#:

Calstrip Steel Corporation

7146 Bantini Blvd * Los Angeles, CA 90040-5388 (323)725-1345 * Fax (323)721-1269

Customer: Address:	REPUBLIC FASTENER CO. 1300 RANCHO CONEJO BLVD. NEWBURY PARK, CA 91320	Order Number: Customer PO; Shipped Date: Packlist ID:	\$50082 / W61674 14250 04/07/2009 8328)
Part ID: Description: Drawing #:	R620.025-CS HC.CR.1050.025X1.250XCOIL R620.025	Material Spec:	AMS-5085G, AMS QQS-700B, QQS-655, ASTM A682-05, ASTM A684-05

HeatID: 0474-001-006

CHEMICAL ANALYSIS

	_								
c	Mn	P	s	Si	Ni	Cr	€u	Мо	Resi
0.4919	0.7080	0.0191	0.0041	8.2100	0.0200	0.0600			
W	v	Sn	rı	Al	Ca	Zr	Co	N	В

MECHANICAL AND PHYSICAL PROPERTIES

Ì	Yield	Tensile	Elong %	Hardness	Bend Test	Skid Numbers W6)674-1	# of Coils 10	<u>Weight</u> 2,410
Ì				HRB 83	OK	W61674-2	10	2,395
ı				<u></u>			20	4,805
		,				1		

Grain Size	Olsen Test	Spher%	Decarb	Reduct %
8		100	D	

Comment: SOURCE-HANKUM (KOREA) CUSTOMER APPROVED HARDNESS ON 5/6/09.

All work on this order has been performed in accordance with the Company's Quality Assurance Manual.

MARIO VARGAS V Technical Services

Form: #:

Print Date: 4/7/2009

Page: 2

REPUBLIC FASTENER MANUFACTURING CORPORATION 1900 RANCHO CONEGO BOLLEVARD, NEWBURY PARK, CA 91.221 (805) 488-6621

QUALITY CONTROL INSPECTION REPORT

UCL	25					PRESUEDEN
AMPLE SIZE		INSPECTION MEDIA	12f ARTICLE	76 MECT	ADCEPT/ PELÉST	DATE DATE
NUT	MATERIAL: CAL STRIP HEAT: 0474-00/-006 SIZE: 025X/-250	VENDOR CERTIFICATIONS ALLOY VERIFICATION	75M 27	0	Acc	3/6%
CAP	MATERIAL: HEAT: SIZE	VENDOR CERTIFICATIONS ALLOY VERIFICATION		NA		
BASKET	MATERIAL: HEAT, SZE:	VENDOR CERTIFICATIONS ALLOY VERIFICATION		N/a		
CLIP	MATERIAL HEAT: SIZE:	VENDOR CERTIFICATIONS ALLOY VERIFICATION		N/A		ļ. <u>.</u> .
:5 PCS	AMS5732,AMS5625 STAINLESS ONEY!	TENSILE RIC HARDNESS TESTER		NA		
15 PGS	AMS-H-6675A, MIL-H-6675 STEEL ONLY: AUSTEMPERING LOAD 29/39	TENSILE TAC HARDNESS TESTER		0		11/09
SEE LOG	AMS24105 [] AMS2411D [] SILVER PLATING LOAD	VISUAL ADHESION S THICKNESS ASTM 8567		N/A	753	1
SEE LOG	AMS-QQ-P-416B Class; [1][/2][13 CAD PLATING LOAD 5318	VISUAL ACHESION & THICKNESS ASTM 8667	ļ	0	(E)	11/09
10 PCS	EMSRITTLEMENT RELIEF BAKE 375'F'±25' FOR 23 HOURS MIN. CAD PLATING LOAD 0.318	23 NUT 48 - 50 CLIP HOUR STRESS AT ROOM TEAP. PER NASM1312, YEST 14		0	®	11/09
5 PCS	EMBRITTLEMENT RELIEF BAKE 275°F° ±25° FOR 23 :=DURS MIN. CAD PLATING LOAD	98[] HOUR STRESS AT SERVICE TEMP. PER NASM: 312, TEST 14		NA		ļ.,
ASOC Z1 4	GOLD CHROMATE TREATMENT TYPE II	VISUAL - WERKMANSHIP SALT SPRAY TEST OF AMS-QQ-P-415		0_	8	1469
SEE LOG	PASSIVATED PER AMS QQ-P-35 AMS2700 STAINLESS STEEL ONLY!	PER ASTM B117	ļ	NA	_	
ASQC Z1A	MAGNETIC PERMEABILITY <2.0 (AIR 1.0) FOR A FELD STRENGTH = 200 OERSTED!	NETF-OC 1 CORROS-ON RESISTANT STEEL ONLY	-	N	Ц	<u> </u>
SEE LOG	NON-DESTRUCTIVE TESTING DISCONTINUITIES SAMPLE [100% []	MAGNETIC PARTICLE PER ASTM E1444 OR FLOURESCENT PENET, PER ASTM E1417		N/.	۱	
15 PCS	BATCH NO: DCD 984/	1 VISUAL WORKMANSHIP ADHESION THICKNESS SALT SPRAY TEST OF NASM1312, TEST 1		٥		19/09
8 PCS 15 °CS	MCROSTRUCTURE	BPS-N-76 [-/* NAS3350 (]		0	6.0	101/09
ASCC 21 4	THREADS PER MILIS-8879C, AS8879	WETHOD B, SYSTEM 22	_	0	(8.6)	19/09

GC:R-008.FUB REV.J 01/19/06

REPUBLIC FASTENER MANUFACTURING CORPORATION 1200 RANCHO CONEJO BOLLEVARD, NEWBURY FARK DA 91.221 (306) 468-652"

QUALITY CONTROL INSPECTION REPORT

LOT NUMBER	BPS-NA70 AT	TRIBUTE P	AN	NCTE		2	25:27 ATTREBUTE PLAN	
UC-125	1.37 SZE UMCER 9 1 10-21 15 15 10-21 22 12 11-21 26 13 11-31 26 13 11-31 26 26 11-31 26				ES TESTEC MUST EXCEED THE MININ ENTS	UK	u T-FL 1241	5
PUSH-OUT TEST	DATE (0 -	9-09	וא	м. <u>(е с)</u>	POUNDS		HOUT CIRECUENTS	
70 70 70	70	70	70	70	PASS	FAIL	, 6	
70 70 70	1 70	70	70	70	170	70	STAMP_	
70 70 71	0 70	70	70	יל (70	70	70	
TORQUE-OUT TEST	_ 14	IN,	INCH POU		CLE CUT DUREMENTS			
					PASS	/ FAIL		
						ļ	STAMP_	
		Ì						
L								
WRENCHING TORQUE	TEST DATE			11N	NCH POL		EXCHING TO	CONT.
WRENCHING TORQUE	TEST DATE_		<u></u>	11N	I			ACHE
WRENCHING TORQUE	TEST DATE_		_ r.	11N	I	NOS RE		TOLIE
WRENCHING TORQUE	TEST DATE		R	nini.	I	NOS RE	QUIRENCHTS	UJ.R
TENSILE TEST	DATE	6/09/c	9		PAS	INDS RE	STAMP_	15 P
TENSILE TEST	DATE		9		PAS	S FALL S FALL	STAMPL	D TEST FAILURS

CCRRST,PUB

SHIPPER

SOLD TO

Ł,

HONEYWELL CONSUMABLES SOL P.O.BOX 981157

EL PASO, TX 79998

3ALESMAN NO. 237096 01/**99**/10

NUMBER

65539



REPUBLIC FASTENER MFG. CORP.

1300 RANCHO CONEJO BLVD. NEWBURY PARK, CALIF 91320

والمتناط المالات المتناط

							IONE: (805)	498-6621	
CUSTOMER NO.	CUSTOMER P.O. NO. 887080	and the second	ORDER DATE 03/03/08	ا يَا يُفْرِي	SHIPPED VIA	NATIONAL		TERMS:	MYN NET GO
								Samuel Marie	
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	1	FROM LOT #	5. 0000	TR	NS @	O LBS E		in the state of th	
	`	171011 1307 11				ng ti the store			
,									
	,		4	r/5 &	NAS RE	V LATEST	, CERT	REQ	Maria de la Alberta de la Albe
((() () () () () () () () ()		ECCN 9A991 SCHD B 7816	. I	PULL.	12/21/	09			
	1 Br		10 24 No. 10 27 27 07	TOTAL	. CARTOI	NS 4			140 LBS

WE HEREBY CERTIFY THAT ALL MATERIALS USED IN THE MANUFACTURE OF PARTS COVERED BY THIS REPORT CONFORM TO THE MATERIAL SERVICES COLLEGE OF BY THE ABOVE PURCHASE ORDER. WE FURTHER CERTIFY THAT THE PARTS WERE MANUFACTURED IN ACCORDANCE WITH A RESPONSE OF SPECIFICATIONS THEREBY RELATING SETS REPORTS COVERING MATERIALS IN OFFICE PARTS, AND INDICATING CONFORMANCE WITH APPLICATION OF THE AND SUBJECT OF EXAMINATION.

ARE ON FILE AND SUBJECT OF EXAMINATION.

ARE ON FILE AND SUBJECT TO EXAMINATION.

We have by certify that those groups were produced in compliance with all applicable for arements of Sections 8.7, and 12 of the Fair Labor Standard. Accorded and of the regulations and orders of the United States Department of Labor issued under Section 14 thereof.

THE LIABILITY OF SELLER ON PARTS FOUND TO BE DEFECTIVE IS HIMTED TO REPLACEMENT ON REWORK OF SUCH GOODS. AC SELLERS DEFINED BY BURGES ON SUBSISSION OF BY EXCEED THE INVOICE VALUE OF SUCH GOODS. UNDER NO CIRCUMSTANCE WILL SELLER BE LIABILITY FOR DAMAGES OR COSTS INCURRED BY BURGES ON SUBSISSION OF BY USER BEYOND THE INVOICE VALUE OF SAID PARTS. REFER SHOULD BE AWARE THAT IT SUBJECT GOODS ARE REWORKED BY OTHER THAN SELLER ASSUMES NO LIABILITY FOR DAMAGES INCURRED BY ADDITIONAL PROCESSING ALL WARRANTIES PROVIDED BY SELLER ARE DECLARED NULL AND VOID AND SELLER ASSUMES NO LIABILITY FOR DAMAGES INCURRED BY BURGES OF MESTERS OF THE BY ADDITIONAL PROCESSING ALL WARRANTIES PROVIDED BY SELLER ARE DECLARED NULL AND VOID AND SELLER ASSUMES NO LIABILITY FOR DAYS APTER SECRED OF MESTERS BY CUSTOMER.

HONEYWELL COMBUNABLES SOL P.O.BOX 981157

EL PASO TX

79998

SALESMAN NO 237096

01/05/10



REPUBLIC FASTENER MEN

STOMER NO. CUSTO	OMER P.O. NO.		DRIVER DATE	NEWBURY PARK, CALIF STORE PHONE: (805) 498-9929 TERMS
93 88	7080 ³¹¹			ST AS TENEX (RIVERS)
100000	100000 53000 47000	FROM LOT	UC125 #1 UC125	PISCOTTON 1 CTNS Q 38 LBS EA 1 CTNS Q 35 LBS EA 1 CTNS Q 35 LBS EA 1 CTNS Q 35 LBS EA
	1	FROM LOT	## 0000	O CINS & O LBS EA
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ina de la Calada				MS & NAS REV LATESTY CERT RED
(20)	u/	ECON 1949		PULL NEVERTONS 4 TOTAL WEIGHT LAG LAG

WE HEREBY CORTITY THAT ALL MADERIOLS CONTINUED MARQUIACTURE OF MARTS OF MARCORY THE BORDED CONFORM NO CHESIA HOLD FOR BY THE ABOVE PURCHASE OFFICE WE FORTHER OF MERE ARE ARE ARRESTED MARTERIAL ON THE MARCORY OF ALL DROUGHEST WAS

ARE ON FILE AND SUBJECT TO EXAM DATION

We hereby certify that these goods were restricted a complaint with all apparation for a complaint of the process of the United Steels of Englands and orders of the United Steels for Englands and orders of the United Steels for Englands and orders of the United Steels for Englands and orders of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of the United Steels for Englands of BY CUSTOMER

3OLD: TO

HIP TO

HONEYWELL CONSUMABLES SOL

HONEYWELL CONSUMABLES SOL

9835 NW 14TH STREET

P.O.BOX 981157

EL PASO, TX

79998

BALESMAN NO. 237096

DATE 01/##/10 NUMBER

1<u>65539</u>



REPUBLIC FASTENER MFG. CORP.

1300 RANCHO CONEJO BLVD.

	MIAMI, I	FL 3317	2 BUY LYSET	PHONE: (805) 498-8621
SUSTOMER NO. C	USTOMER P.O. NO.		ORDER DATE	RESALE SHIPPED VIA TERMS:
3393;	887080	in the second	03/03/08	: "971
ORDER QUAN	SHIP. QUAN:	BAL DUE LIN	E RFM LOT NO.	DESCRIPT. / PART NO. / CARTONS. WT.
100000	100000	0 1		NUT SELF LOCKING
	\$3000 47000	1		1 CTNS @ 38 LBS EA 1 CTNS @ 34 LBS EA 1 CTNS @ 35 LBS EA 1 CTNS @ 31 LBS EA
1	1.	0 2	2	TING
	1.	FROM LOT #	0000	óãcins e o les ea
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A STATE OF THE STA			·	
			4 1 2	MS & MAS REU LATEST; CERT REQ
(25 g)		ECCN 9A991 SCHD B 7318	Į.	PULL 12/21/09
\	1 1/1			TOTAL CARTONS 4 TOTAL WEIGHT 140 LBS

ANY CLAIM FOR SHORTAGES OR ADJUSTMENTS MUST BE MADE WITHIN 10 DAYS FROM RECEIPT OF GOODS WE HEREBY CERTIFY THAT ALL MATERIALS USED IN THE MANUFACTURE OF PARTS COVERED BY THIS REPORT CONFORM TO THE MATERIALS SPECIFICATIONS CALLED FOR BY THE ABOVE PURCHASE ORDER. WE FURTHER CERTIFY THAT THE PARTS WERE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS OR SPECIFICATIONS THEREBY RELATING TEST REPORTS COVERING MATERIALS IN THESE PARTS, AND INDICATING CONFORMANCE WITH APPLICABLE SPECIFICATIONS ARE ON FILE AND SUBJECT TO EXAMINATION.

ARE ON FILE AND SUBJECT TO EXAMINATION.

We haveby certify that these goods were produced in compliance with all applicable requirements of Sections 6, 7, and 12 of the Fair Labor Standards Act, as amended, and of the regulations and orders of the United States. Department of Labor issued under Section 14 (thereof).

THE LIABILITY OF SELLER ON PARTS FOUND TO BE DEFECTIVE IS LIMITED TO REPLACEMENT OR REWORK OF SUCH GOODS, AT SELLERS OPTION, AND IN NO CASE IS 10 THE INVOICE VALUE OF SUCH GOODS, UNDER NO CIRCUMSTANCE WILL SELLER BE LIABLE FOR DAMAGES OR COSTS INCURRED BY BUYER OR SUBSEQUENT USER BEYOND THE INVOICE VALUE OF SUCH GOODS, UNDER SHOULD BE AWARE THAT IF SUBJECT GOODS ARE REWORKED BY OTHER THAN SELLER OR SUBJECT TO ADDITIONAL PROCESSING ALL WARRANTIES PROVIDED BY SELLER ARE DECLARED NULL AND VOID AND SELLER ASSUMES NO LIABILITY FOR DAMAGES INCURRED BY BUYER OR SUBSEQUENT USERS. THIS WARRANTY IS VOID IF SELLER IS NOT NOTIFIED IN WRITING OF ANY REJECTIONS WITHIN 90 DAYS AFTER RECEIPT OF MATERIAL BY CUSTOMER.

SHIPPER

SOLD TO

HUNEYWELL COMBUMABLES SOL

F.O.BOX Pailtor.

EL PASO. IX

79998

HIP TO

HOMEYWELL COMBUMABLES SOL 9835 NW LATH STREET

MIANI, FL

33172 RUYER

SALESMAN NO. 237096

01/44/10

NUMBER



REPUBLIC FASTENER MFG. CORP.

1300 RANCHO CONEJO BLVD. NEWBURY PARK, CALIF 91320

				LY Sit. LI L.			PHONE: (805) 498-6621						
JUSTOMER NO.	CUSTOMER P.O. NO.	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	ORDER DATE	RESALE	SHIPPED VIA	\			TEF	MS:			
3393	. 087060	!	03/03/09	YES	PEDEX	MATIO	内斜。		'	1/2% - 1	10 DAYS	NET 30	
ORDER QUAN.	SHIP, QUAN,	BAL DUE LINE	AFM LOT NO.	in the Particle	e jemanjak se mjeja. Podalarje je je	DESCR	PT-/PAF	T NO / C	ARTONS-	WT. ~			
1,0000	100000	O 1.			SELF LO 047L06	CKIN6	٠,						
	53000 47000			1. 01	MS @	38 LBS			CTMS			BS EA BS EA	
	1.	0 2		TR		•					•	·.	
	i.	FROM LOT 9:	0000	0000	INS @	Q LBS	EA				.•		
				, r							• •		
.·				ក្ន	NAS RE	V LATE	5 T ş	CERT	rec	}			
(125)		ECCN 9A991 C		PULL	12/21/	Φ 9 .			•				
	1	SCHD B 7318.1	6,0000	TOTAL	. CARTO	NS 4		τάτο	ıL. Wi	тонт	140	LBS	

ANY CLAIM FOR SHORTAGES OF ADJUSTMENTS MUST BE MADE WITHIN TO DAYS, FROM RECEIPT OF GOODS WE HEREBY CERTIFY THAT ALL MATERIALS USED IN THE MANUFACTURENES MUST OF STATE BY THIS REPORT CONFORM TO THE MATERIALS SPECIFICATIONS CALLED FOR BY THE ABOVE PURCHASE ORDER. WE FURTHER CERTIFY THAT THE PARTS WERE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS OR SPECIFICATIONS THEREBY RELATING TEST REPORTS COVERING MATERIALS IN THESE PARTS, AND INDICATING CONFORMANCE WITH APPLICABLE DRAWINGS OR SPECIFICATIONS. ARE ON FILE AND SUBJECT TO EXAMINATION

ARE ON FILE AND SUBJECT TO EXAMINATION

We hereby certify that these goods were produced in compliance with all applicable requirements of Sections 6. 7. and 12 of the Fair Labor Standards Act. as amended, and of the regulations and orders of the United States. Department of Labor issued under Section 14 thereof. THE LIABILITY OF SELLER ON PARTS FOUND TO BE DEFECTIVE IS LIMITED TO REPUBLICEMENT ON REWORK OF SUCH GOODS, AT SELLERS OPTION, AND IN NO CASE IS TO EXCEED THE INVOICE VALUE OF SUCH GOODS. UNDER NO CIRCUMSTANCE WILL SELLER BE LIABLE FOR DAMAGES ON GOSTS INCURRED BY BUYER OR SUBSEQUENT USER BEYOND THE INVOICE VALUE OF SAID PARTS. BUYER SHOULD BE AWARE THAT IF SUBJECT GOODS ARE REWORKED BY OTHER THAN SELLER OR SUBJECT TO ADDITIONAL PROCESSING ALL WARRANTIES PROVIDED BY SELLER ARE DECLARED NULL AND VOID AND SELLER ASSUMES NO LIABILITY FOR DAMAGES INCURRED BY BUYER OR SUBSEQUENT USERS. THIS WARRANTY IS VOID IF SELLER IS NOT NOTIFIED IN WRITING OF ANY REJECTIONS WITHIN 90 DAYS AFTER RECEIPT OF MATERIAL BY CUSTOMER.

Page: 1 of 1



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO27119

LNE# QUANTITY U/M PART-NUMBER

150 EA NAS391B6P

CUST REF#

LOT-NUMBER

MANUFACTURER

CCODE MFR DATE EXP DATE

X7228

ANILLO INDUSTRIES

10630

Jason Lewis

Senior Director, Global Quality

. Î Inv # 01/22/15

ANILLO Industries, Inc.
2090 NORTH GLASSELL STREET, ORANGE, CA 92865-3391 USA PLEASE REMIT TO

P.O. BOX 5586 ORANGE, CA 92863-5586 USA (714)637-7000 (562)924-6632 FAX(714) 637-3022

AS9100 HAUCAP CP 190 9001 CERTIFIED

563916

Packing List & Certification

WE ACCEPT VISA/MASTER/DISCOVER/AMEX

B/E AEROSPACE, INC ATTN: ACCOUNTS P. P.O. BOX 025263		1165	B/E AEROSPACE, CONSUMABLES N 9835 NW 14TH ST	MANAGEMENT	E
MIAMI, FL 33102-526	3		MIAMI,FL 33172		
DATE ORDER REC'D	ORDER NUMBER		INVOICE DATE	SHIPPED VIA	TERMS
07/29/2013	0RKF46			FEDXG/033101490	1% 10 DAYS, NET 30
ITEM ORDERED	SHIPPED		DESCRIPTION		NET WEIGHT

50,000 48 940 NAS391B6P REV 6 /LOT#X7228 /QCR:1,4,6,8,15,16, ECCN: 9A991 Schedule B#: 7415.21.0000 COO: USNLR

above is manufactured in accordance with the material and processing specifications of this order. we certify that: 1. Item number 2 above is manufactured in accordance with the material and processing specifications of this order.

2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are on file and are available for examination on all Anillo manufactured parts. All claims for errors or shortages must be made within 10 days after receipt of goods. No good to be returned without written authorization. All claims for defective material must filed within 30 days of shipment to receive consideration. We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of the products sold, if claimed within the specified time limit above. We certify that: 1. item number

<< R.M.A.# REQUIRED FOR RETURNS >>

<< TO THE BEST OF OUR KNOWLEDGE, PARTS ARE MERCURY FREE >>

B/E Aerospace, Inc. **Consumable Management**

Self Release

Signature & Stamp:

BY Ben Omeduta

Ben Omidwar, Quality Assurance Manager

FI 4.03.05

CERTIFICATE OF TEST

Customer: COPPER & BRASS SALES

C/O C & B WEST

13338 ORDEN DR. BLDG H

SANTA FE SPRINGS, CA 90670

Customer Part No: CUFLR00593

Description: C26000 .016 H020

0.0000

Specification:

ASTM B 36/B36M-08a

Customer PO No: 5520064271

PMX Order No:

059762-1

Method (See helow**)

PMX Bill of Lading: 00120474

Pallet | Tag No.:

355570 | C211LB-A2

Chemical Composition (Wt %) Element

Spec Min.

Cu

0.0000 28.0800 68.5000 Spec Max. nasos 0.0700 31,5000 71,5000

Actual

0.0124 0.0023 30.6168 69.3504

Dimensions	Units/Scale	Spec. Min.	Spec. Max.	Actual
Thickness	in	.0155	0165	.0163
Width	in	23.984	24.016	PASS

Test Date 02/05/13

			m	23.984	24.016	PASS	
Mechanical Properties Test Date 02/20/13 Method		Units/Scale	Spec. Min.	Spec. Max.	Actual		
Tensile Strength	1	ASTM-E8-09	ksi	57.0	67.0	59.0	
Yield Strength	(REF)	ASTM-E8-09	ksi	NA	NA	47.0	
Elongation	(REF)	ASTM-E8-09	%	NA	NA	30	
Hardness 1 Hardness 2	(REF)	ASTM-E18-08	307	NA	NA	59	
Grain Size			mm				

Other Tests

Test Date Method

Units/Scale Spec. Min.

Spec. Max.

Actual

We certify that these test results were obtained from samples of the material lots identified above. The test procedures and material production conform to chemical and mechanical requirements of applicable customer and ASTM specifications. This document may not be reproduced, except in full, without the written approval of PMX Industries, Inc. *Results obtained by a laboratory which is not accredited or compliant with ISO/IEC 17025 standard. "Chemistry is analyzed according to methods ASTM-E1621-05 and/orASTM-E-1751-07. Country of MsN and MFG:USA

Chris Deirnerly - Laboratory Supervisor

04/01/13 Date

LABORATORY ACCREDITATION BUREAU ACCREDITEO

PMX INDUSTRIES, INC. 5300 WILLOW CREEK DRIVE SW, CEDAR RAPIDS, IA 52404-4303 TEL: 319/368-7700 FAX: 319/368-7701 E-MAIL: QA@PMXINDUSTRIES.COM

Revision: 1

ISO 9001:2000 REGISTERED ISO/IEC 17025:2005 ACCREDITED

1000 (1843)